Image: The second sec	COŞEL	AC-DC Po	ower s	Supplies Enclosed typ	Orderin	g information				
NUMB Output Parts of a statute of a sta		PI	SW	15 F						
MODEL PBW19F-12 PBW19F-13 MAX OUTPUT WATTAGE[W] 15.8 15.0 MAX OUTPUT WATTAGE[W] 15.8 15.0 DC OUTPUT WR32L ±15 (-29.) ±15 (-30.) DC OUTPUT WR32L ±12 (-24.) ±15 (-30.) SPECIFICATIONS IMODEL PBW19F-12 (PBW19F-15 MODEL PBW19F-12 PBW19F-15 (URRENT[A] CURRENT[A] ACM 100/ 400 (CURRENT1) (EMAN W00.200) (CURRENT1) FEECIFICATIONS Sole0 (4744.0) or DC FEECIFICATIONS FEECIFICATIONS PUT FEECIFICATIONS ACM 100/ 750 (CURRENT1) 700 (CURRENT1) FEECIFICATIONS ACM 100/ 750 (CURRENT1) Role (AT44.0) or DC FEFICIENCY[Na] ACM 100/ 770 (CURRENT1) 800p (CURRENT1) ILEAXAGE CURRENT[A] ACM 100/ 770 (CURRENT1) 800p (CURRENT1) LCAAD REGULATION [WT] 14 1.0.0.1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	RoHS	A CE				Recommended NAC-06-47 Wigh voltage pulse nois Low leakage current *The EMVEMC Filter is	EMI/EMC Filter ①Series name ②Dual output ③Output wattage ③Dupt upt wattage ④Universal input ③Output voltage ④Optional **10 ©Optional **10 C :with Coating G :Low leakage current E :Low leakage current raid evices. T :Vertical terminal blo J :Connector type N :with Cover N : with Cover N : with Colarg sett V :Output voltage sett potentiometer extern			
NAX OUTPUT WATTAGE[V] 19.8 15.0 DC OUTPUT W2000 ±15 (-30) 0.5 DC OUTPUT W2000 ±12 (-24) ±15 (-30) DS PECIFICATIONS 0.5 0.5 SPECIFICATIONS PBW15F-12 1.0 SPECIFICATIONS PBW15F-12 PBW15F-13 VOLTAGE[V] AC085 - 264 1.6 or DC110 - 370 (AC50 or DC70 Please refer to the instruction manual 2.1 Input voltage +8) VOLTAGE[V] AC08 100 0.60p (CURRENT1) FROUENCY[Ks] AC08 100 0.60p (CURRENT1) FROUENCY[Ks] AC08 100 0.60p (CURRENT1) VID CURRENT[A] AC08 100 150p (CURRENT1) NURSH CURRENT[A] AC08 100 150p (CURRENT1) AC08 100 150p (CURRENT1) (A codd start) 1.0 S7 UNRSH CURRENT[A] 0.7 C 0.5 / 0.5 CURRENT[A] AC08 100 0.7 C 0.5 / 0.5 CURRENT[A] AC08 100 0.7 C 0.5 / 0.5 CURRENT[A] 0.7 C 0.7 C 0.5 / 0.5 CURRENT[A]<							s optional			
Doc output UNXERY: Defention 1 (2 + 24) (0.5 SPECIFICATIONS 0.5 SPECIFICATIONS 1.0 SPECIFICATIONS 0.5 VOLTAGE[V] AC85 - 264 1.6 or DC110 - 370 (AC50 or DC70 Please refer to the instruction manual 2.1 Input voltage *8) CURRENT[A] AC85 - 264 1.6 or DC110 - 370 (AC50 or DC70 Please refer to the instruction manual 2.1 Input voltage *8) CURRENT[A] AC80 100 (A 0.90 (CURRENT1) FERCIENCY[%] SDB0 (CURRENT1) INNUSH CURRENT[A] AC81 000 (770) (CURRENT1) INNUSH CURRENT[A] AC81 000 (770) (CURRENT1) INNUSH CURRENT[A] 0.150 (2000 (2	-	VATTAGEIWI	*5							
Instruction Instruction Instruction SPECIFICATIONS MODEL PBW15F-12 PBW15F-13 VolTAGE[V] ACS : 264 1.4 or DC110 - 370 (ACS or DC70 Please refer to the instruction manual 2.1 Input voltage +8) VolTAGE[V] ACS : 264 1.4 or DC110 - 370 (ACS or DC70 Please refer to the instruction manual 2.1 Input voltage +8) VolTAGE[V] ACS : 264 1.4 or DC110 - 370 (ACS or DC70 Please refer to the instruction manual 2.1 Input voltage +8) VolTAGE[V] ACM W0 (2400) (CURRENT1) F8000 (CURRENT1) FREQUENCY[Hz] S000 (47 - 440) or DC F8000 (CURRENT1) INRUSH CURRENT[A] ACM W0 (3000 (CURRENT1) 7800 (CURRENT1) INRUSH CURRENT[A] OLF CONTRENT[A] OLF CONTRENT[A] UDTAGE[V] ±12 (1 - 22 / Velence number) UDTAGE[V] ±12 (1 - 22 / Velence number) UDA REGULATION If W1 600max 150max LOAD REGULATION If W1 600max 150max UDTUT IBMPLE INSE[WVp-p] IBM 201 (SOmax 120max IBMPLE INSE[WVp-p] IBM 201 (SOmax 120max 120max ILOAD REGULATION If W1 60max 320max 150max<			VOLTAGE[V] *6							
SPECIFICATIONS PBW15F-12 PBW15F-15 MODEL AC85 - 204 AC85 - 204 AC85 - 204 AC85 - 204 VUTAGE[U] AC80 - 204 Current (A AC85 - 204 Current (A AC85 - 204 VPUT FREQUENCY[Hs] AC80 - 204 Current (A AC85 - 204 Current (A) AC80 - 204 VPUT FREQUENCY[Hs] AC80 - 204 Current (A) AC80 - 204 Current (A) AC80 - 204 VPUT FREQUENCY[Hs] AC80 - 204 Current (A) AC80 - 204 Current (A) AC80 - 204 INRUSH CURRENT[] AC80 - 205 Current (A) AC80 - 205 Current (A) Curre	DC OUTPUT		<u> </u>							
VOLTAGE[V] AC85 - 264 1.9 or DC110 - 370 (AC50 or DC70 Please refer to the instruction manual 2.1 Input voltage #8) VPUT AC81 - 264 1.9 or DC110 - 370 (AC50 or DC70 Please refer to the instruction manual 2.1 Input voltage #8) VPUT FREQUENCY[Hz] S060 (47 - 440) or DC IFFICIENCY[%] ACM 1007 / 4709 (CURRENT1) Z8typ (CURRENT1) IFFICIENCY[%] ACM 1007 / 4709 (CURRENT1) Botyp (CURRENT1) INRUSH CURRENT[A] ACM 1007 / 4709 (CURRENT1) (At cold start) ILEAXAGE CURRENT[A] 0.7 / 0.7 0.5 / 0.5 VOLTAGE[V] ±12 / (-24V reference number) / ±15 / (-430V reference num VOLTAGE[V] ±12 / 0.7 / 0.7 0.5 / 0.5 CURRENT[A] 0.7 / 0.7 0.5 / 0.5 0.5 / 0.5 CURRENT[A] 0.7 / 0.7 / 0.7 0.5 / 0.5 / 0.5 / 0.5 CURRENT[A] 0.7 / 0.7 / 0.7 0.5 / 0.5 / 0.5 / 0.5 CURRENT[A] 0.7 / 0.7 / 0.7 0.5 / 0.5 / 0.5 / 0.5 CURRENT[A] 0.7 / 0.7 / 0.7 0.5 / 0.5 / 0.5 / 0.5 CURRENT[A] 0.7 / 0.7 / 0.7 0.6 / 0.7										
CURRENT[A] Addit 100/ ADM 200 / 200/ps (CURRENT1) FREQUENCY[Hz] 50/60 (47 - 440) or DC EFFICIENCY[%] Addit 007 / 4/by (CURRENT1) 78/by (CURRENT1) INRUSH CURRENT[A] Addit 1007 / 4/by (CURRENT1) 80/by (CURRENT1) INRUSH CURRENT[A] Addit 1007 / 5/by (CURRENT1) 80/by (CURRENT1) LEAKAGE CURRENT[A] 0.15/0 30max (ACIN 1007/240V 60Hz. Io=100%. According to IEC60950-1.DENAN CURRENT[A] 0.7 / 0.7 0.5 / 0.5 CURRENT[A] 0.7 / 0.7 0.5 / 0.5 CURRENT[A] 0.7 / 0.7 0.5 / 0.5 CURRENT[A] 1.4 / - 1.0 / - CURRENT[A] 60max / 96max 60max / 160max LOAD FEGULATION [mV] 60max / 150max 750max / - LOAD REGULATION 2(mV) [bi-600] 120/max 120/max 160max / 320max RIPPLE[mVP-p] [bi-600] 120/max / 320max 160/max / 320max TURDUT TIST 120/max / 300max <					AC50 or DC70 Please re		anual 2.1 Input voltage *8)			
PPUT FREQUENCY[Hz] FREQUENCY[Hz] Count of Counternal (D) or DC FFICIENCY[Nz] PREQUENCY[Hz] AGIN 3007 474yp. (CURRENT1) Toby or DC EFFICIENCY[Nz] AGIN 1007 74yp. (CURRENT1) Botyp. (CURRENT1) Botyp. (CURRENT1) INRUSH CURRENT[M] AGIN 1007 174yp. (CURRENT1) (At cold start) EC600950-1.DENAN) LEAKAGE CURRENT[M] 0.150.30max (ACIN 100V/240V 60Hz. loc 100%. According to EC600950-1.DENAN) CURRENT[A] 0.150.30max (ACIN 100V/240V 60Hz. loc 100%. According to EC600950-1.DENAN) CURRENT[A] 0.150.30max (ACIN 100V/240V 60Hz. loc 100%. According to EC600950-1.DENAN) CURRENT[A] 0.150.30max (ACIN 100V/240V 60Hz. loc 100%. According to EC600950-1.DENAN) CURRENT[A] 0.150.30max (ACIN 100V/240V 60Hz. loc 100%. According to EC600950-1.DENAN) LOAD REGULATION[mV] 60max / 0.50 (- LOAD REGULATION 1[mV] 60max / 10.0 (- LOAD REGULATION 1[mV] 60max / 240max LOAD REGULATION 1[mV] 100 e0000000000000000000000000000000000			ACIN 100V	0.40typ (CURRENT1)						
PPUT EFFICIENC(%) ACM 160V 74/pp (CURRENT1) 77/pp (CURRENT1) 77/pp (CURRENT1) INRUSH CURRENT[A] ACM 160V 150/p (CURRENT1) 80/pp (CURRENT1) 80/pp (CURRENT1) LEAKAGE CURRENT[A] ACM 160V 150/p (CURRENT1) 14 cold start) 80/pp (CURRENT1) LEAKAGE CURRENT[A] 0.7 / (+20/ reference number) ±15 / (+30/ reference number) VOLTAGE[V] ±12 / (+20/ reference number) ±15 / (-s0/ reference number) UNRENT[A] 0.7 / 0.7 0.0 / - LOAD REGULATION [mV] 60max / 96max 60max / 96max LOAD REGULATION [mV] 150max / 240max 120max / 240max LOAD REGULATION [mV] 160max / 320max 150max / 300max IPPLE [mVp-p] 10 - 0.0* 150max / 300max 150max / 300max TBMPEAUBE REGULATION [mV] 40 - 0.0* 150max / 300max 160max / 320max 160max / 320max TBMPEAUBE REGULATION [mVp-p] 16 - 0.0* 150max			ACIN 200V							
EFFCLENCT(%) Acking 2007 77/bp (CURRENT1) 800/pp (CURRENT1) INRUSH CURRENT[A] Acking 2007 30/bp (CURRENT1) (At cold start) 30/bp (CURRENT1) LEAKAGE CURRENT[MA] 0.150/30max (ACIN 100V/240V 60Hz. lo=100%. According to IEC60950-1.DENAN) (+30V reference number) ±15 / (+30V reference number) VITAGE[V] ±12 / (-24V reference number) ±15 / (+30V reference number) CURRENT2[A] •14 / - 1.0 / - LOAD REGULATION[mV] 60max / 96max 60max / 96max LOAD REGULATION[mV] 60max / 150max 60max / 240max LOAD REGULATION 1[mV] 60max / 320max 120max / 240max LOAD REGULATION 1[mV] 160max / 320max 150max / 320max TUPERIT(mV) 160 +300° 150max / 320max 150max / 300max TUPERATURE REGULATION[MV] 160 +300° 150max / 320max 150max / 320max TUPERATURE REGULATION[MV] 160 +300° 150max / 320max 150max / 240max <td></td> <td></td> <td>ACIN 100V</td> <td></td> <td></td> <td colspan="3">78tvp (CLIBBENT1)</td>			ACIN 100V			78tvp (CLIBBENT1)				
INFOSH COURRENT(I) (ACIN 2007 300/pp (CURRENT) (Ar cold start) LEAKAGE CURRENT(MA) 0.15/0.30max (ACIN 100V/240V 60Hz. los 100%. According to IEC60950-1.DENAN) VOLTAGE[V] VICURRENT[A] 0.15/0.30max (ACIN 100V/240V 60Hz. los 100%. According to IEC60950-1.DENAN) CURRENT[A] CURRENT[A] CURRENT[A] 0.15/0.30max (ACIN 100V/240V 60Hz. los 100%. According to IEC60950-1.DENAN) CURRENT[A] CURRENT[A] CURRENT[A] 10.0 CURRENT[A] INFORMATION IMUY] 600max INFORMATION IMUY]	EF									
LEAKAGE CURRENTINAL John 200 Story (CURHENTI) (All cold start) VOLTAGE[V] ±12 / (+24V reference number) ±15 / (+30V reference number) CURRENT[A] 0.7 / 0.7 0.5 / 0.5 CURRENT[A] 1.4 / - 1.0 / 0.5 / 0.5 CURRENT[A] 1.4 / - 750max / - 750max / - CAD REGULATION [mV] 10.60C: 150max / 200max 150max / 300max 160max / 300max TEMPEATURE REGULATION[mV] 10.60C: 1	IN	BUSH CUBBENTIAL								
VDLTAGE[V] ±12 /(+24V reference number) ±15 /(+30V reference num CURRENT[A] OUTREINT[A] 0.7 /0.7 0.5 /0.5 CURRENT[A] 0.7 /0.7 0.5 /0.5 CURRENT[A] 0.7 /0.7 0.5 /0.5 CURRENT[A] 60max /96max 60max /96max LOAD REGULATION I[mV] 60max /150max 600max /150max LOAD REGULATION I[mV] 60max /150max /150max /150max LOAD REGULATION I[mV] 160max /240max 120max /240max RIPPLE[mVp-p] 10.950;150max /300max 150max /300max TEMPENTURE REGULATION[mV] 150max 150max 160max /300max TEMPENTURE REGULATION I[mV] 150max 150max 160max /300max TEMPENTURE REGULATION I[mV] 160max /320max 160max /320max TEMPENTURE REGULATION I[mV] 150max 180max 180max 300max TEMPENTUPIN 48max							N1)			
CURRENTI[A] 0.7 / 0.7 0.5 / 0.5 CURRENT2[A] = 1.4 / - 1.0 / - CURRENT2[A] = 1.4 / - 1.0 / - LOAD REGULATION[mV] = 60max / 96max 60max / 96max LOAD REGULATION [mV] = 60max / 150max 60max / 150max LOAD REGULATION [mV] = 60max / 240max 120max / - RIPPLE[mVP-p] = 100max / 320max 1160max / 320max -0.0 C = 180max / 300max 150max / 300max 150max TEMPEATURE REGULATION[mV] = 205000 c = 150max 150max 360max TEMPEATURE REGULATION[mV] = 2050000 c = 150max 150max 360max TEMPEATURE REGULATION[mV] = 20500000000000000000000000000000000000			naj							
LINE REGULATION[mV] 60max /96max LOAD REGULATION [mV] 600max /150max LOAD REGULATION [mV] 600max /150max LOAD REGULATION [mV] 600max /150max LOAD REGULATION [mV] 750max /- RIPPLE [mVp-p] 10-90°C 1160max /240max Bit Signer 120max /240max RIPPLE NOISE[mVp-p] 10-0°C 1160max /320max 10-90°C 1160max /300max 150max TEMPEATURE REGULATION [mV] 60-90°C 120max 150max TEMPEATURE REGULATION [mV] 60-90°C 120max 150max TEMPEATURE REGULATION [mV] 60 48max DRIFT[mV] 648max 160max START-UP TIME[ms] 200typ(ACIN 100V. lo=100%) 48max OUTPUT VOLTAGE SETTING[V] 11.5 - 12.5 (+V and -V are simultaneously adjusted) 13.2 - 16.5 (+V and -V CURRENT1) OUTPUT VOLTAGE SETTING[V] 11.5 - 24.0 20.0 - 29.0 0VEROLTAGE PROTECTIONV OVEROUTAGE PROTECTIONV 16.8 - 24.0 20.0 - 29.0 0VEROLTAGE PROTECTIONV OVEROUTAGE PROTECTIONV </td <td></td> <td></td> <td></td> <td>0.7 /</td> <td></td> <td></td> <td>/ 0.5</td>				0.7 /			/ 0.5			
DUTPUT LOAD REGULATION 1mV file 600max / 150max / - 750max / - NIPPLE (mVp-p) 016-400 file 400 file 40										
DUTPUT LOAD REGULATION 2(mV) \$1 20max / - 750max / - RIPPLE[mVp-p] 10 + 30C s1 120max / 240max 120max / 240max RIPPLE[mVp-p] 10 + 30C s1 150max / 320max 160max / 320max RIPPLE NOISE[mVp-p] 10 + 30C s1 150max / 300max 150max / 300max TEMPERATURE REGULATION[mV] 01 + 30C s1 150max / 300max 150max / 300max TEMPERATURE REGULATION[mV] 01 + 50C 120max 150max 150max / 300max OUTPUT VOLTAGE ADJUSTMENT RANGEVI 9.00 + 50C 120max 150max 160max / 300max TEMPERATURE REGULATION[mV] *52 48max 60max 300max 160max OUTPUT VOLTAGE ADJUSTMENT RANGEVI 9.60 + 13.2 (+V and -V are simultaneously adjusted) 13.2 - 16.5 (+V and -V cURRENT) 14.4 + 15.6 (+V and -V CURRENT) OUTPUT VOLTAGE ADJUSTMENT RANGEVI 9.60 + 13.2 (+V and -V CURRENT) 14.4 + 15.6 (+V and -V CURRENT) 14.4 + 15.6 (+V and -V CURRENT) OUTPUT VOLTAGE ADJUSTMENT RANGEVI 16.8 - 24.0 20.0 - 29.0 20.0 - 29.0										
PUTPUT IDe /B(C+1) 120max / 240max 120max / 240max RIPPLE NOISE[mVp-p] ID + 30C + 11 10 max / 320max 160max / 320max RIPPLE NOISE[mVp-p] ID + 30C + 11 150max / 300max 180max / 300max TEMPERATURE REGULATION[mV] ID + 30C + 11 150max / 300max 180max / 360max TEMPERATURE REGULATION[mV] ID + 30C + 15<0max					-		1			
DUTPUT Id- 0.0 ± 160max / 320max 160max / 320max RIPPLE NOISE[mVp-p] Ide-80 ± 150max / 300max 150max / 300max TEMPERATURE REGULATION[m] Ide-80 ± 150max / 300max 150max / 300max DRIFT[mV] ± 48max 160max / 360max 160max DRIFT[mV] ± 48max 60max 60max START-UP TIME[ms] 200typ(ACIN 100V. lo=100%) *Start-up time is 700ms typ for less than 1minute of applying input again from turning off the input HOLD-UP TIME[ms] 200typ(ACIN 100V. lo=100%) *Start-up time is 700ms typ for less than 1minute of applying input again from turning off the input OUTPUT VOLTAGE ADJUSTMENT RANGE[V] s.6.0 13.2 (+V and -V CURRENT1) 14.4 + 15.6 (+V and -V CURRENT1) OUTPUT VOLTAGE SETTING[V] 11.5 + 12.5 (+V and -V CURRENT1) 14.4 + 15.6 (+V and -V CURRENT1) 000000000000000000000000000000000000					240max		/ 240max			
HPPLE NOISE[mVp-p] 10 • 0° ± 180max / 360max TEMPERATURE REGULATION[mV] 10 • 0° ± 120max 150max DRIFT[mV] ±2 200xp(ACIN 100V. lo=100%) *Start-up time is 700ms typ for less than 1minute of applying input again from turning off the input HOLD-UP TIME[ms] 200typ(ACIN 100V. lo=100%) OUTPUT VOLTAGE AJUSTMENT RANGE[V] 9.60 - 13.2 (+V and -V are simultaneously adjusted) 13.2 - 16.5 (+V and -V are simultaneously adjusted) OUTPUT VOLTAGE AJUSTMENT RANGE[V] 9.60 - 13.2 (+V and -V are simultaneously adjusted) 13.2 - 16.5 (+V and -V are simultaneously adjusted) OUTPUT VOLTAGE AJUSTMENT RANGE[V] 9.60 - 13.2 (+V and -V are simultaneously adjusted) 13.2 - 0.5 (+V and -V are simultaneously adjusted) OUTPUT VOLTAGE AJUSTMENT RANGE[V] 9.60 - 13.2 (+V and -V are simultaneously adjusted) 13.2 - 0.5 (+V and -V are simultaneously adjusted) OUTPUT VOLTAGE SETTING[V] 11.5 - 12.5 (+V and -V are simultaneously adjusted) 13.2 - 0.5 (+V and -V are simultaneously adjusted) OVERCURRENT PROTECTION[V] 16.8 - 24.0 20.0 - 29.0 OPERATING INDICATION LED (Green) REMOTE ON/OFF None REMOTE ON/OFF None AC3.000V 1minute. Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG <t< td=""><td></td><td>IPPLE[mvp-p]</td><td>-10 - 0℃ *1</td><td>160max /</td><td>320max</td><td>160max</td><td>/ 320max</td></t<>		IPPLE[mvp-p]	-10 - 0℃ *1	160max /	320max	160max	/ 320max			
TEMPERATURE REGULATION[mv] 10 Ur +00: [1 80max / 360max / 360max 180max / 360max TEMPERATURE REGULATION[mv] [0 to +50: [1 20max / 160max] 180max / 180max DRIFT[mV] €2 48max 60max START-UP TIME[ms] 200yp(ACIN 100V. Io=100%) ±80art-up time is 700ms typ for less than 1minute of applying input again from turning off the input HOLD-UP TIME[ms] OUTPUT V0LTAGE ADUSTINENT RANGE[I] 9.60 - 13.2 (+V and -V are simultaneously adjusted) 13.2 - 16.5 (+V and -V are simultaneously adjusted) OUTPUT V0LTAGE ADUSTINENT RANGE[I] 9.60 - 13.2 (+V and -V are simultaneously adjusted) 14.4 - 15.6 (+V and -V cURRENT1) OVERCURRENT PROTECTION Vorks over 105% of rated current and recovers automatically 000F000000000000000000000000000000000		IPPLE NOISE[mVp-p]								
Image: Addition Recultation in the state of th					360max		/ 360max			
DRIFT[mV] *2 48max 60max START-UP TIME[ms] 200typ(ACIN 100V. lo=100%) *Start-up time is 700ms typ for less than 1 minute of applying input again from turning off the input HOLD-UP TIME[ms] 20typ (ACIN 100V. lo=100%) OUTPUT VOLTAGE ADJUSTMENT RANGE[V] 11.5 · 12.5 (+V and -V are simultaneously adjusted) 13.2 · 16.5 (+V and -V are simultaneously adjusted) OUTPUT VOLTAGE SETTING[V] 11.5 · 12.5 (+V and -V CURRENT1) 14.4 - 15.6 (+V and -V CURRENT1) OVERCURRENT PROTECTION VORCURAGE PROTECTION[V] 16.8 · 24.0 20.0 - 29.0 OPERATING INDICATION LED (Green) LED (Green) 20.0 - 29.0 REMOTE ON/OFF None 00TPUT-FG AC3.000V 1minute. Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) SOLATION INPUT-OUTPUT AC3.000V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC2.000V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min	TEN	MPERATURE REGULATION[mV]								
START-UP TIME[ms] 200typ(ACIN 100V. lo=100%) *Start-up time is 700ms typ for less than 1minute of applying input again from turning off the input 20typ (ACIN 100V. lo=100%) OUTPUT VOLTAGE ADJUSTMENT RANGE[V] 9.60 - 13.2 (+V and -V are simultaneously adjusted) 13.2 - 16.5 (+V and -V are simultaneously adjusted) OUTPUT VOLTAGE SETTING[V] 11.5 - 12.5 (+V and -V CURRENT1) 14.4 - 15.6 (+V and -V CURRENT1) OVERCURRENT PROTECTION Works over 105% of rated current and recovers automatically OVERVOLTAGE PROTECTION[V] 16.8 - 24.0 20.0 - 29.0 OPERATING INDICATION LED (Green) 20.0 - 29.0 REMOTE ON/OFF None None INPUT-OUTPUT AC3.000V 1minute. Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC2.000V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC2.000V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OPERATING TAMP.HUMID.AND ALTITUDE -10 to +71°C (Required Derating). 20 - 90% RH (Non condensing) 3.000m (10.000feet) max STORAGE TEMP.HUMID.AND ALTITUDE -20 to +75°C, 20 - 90% RH (Non condensing) 9.000m (30.000 feet) max STORAGE TEMP.HUMID.AND ALTITUDE -20 to +75°C, 20 - 90% RH (Non condensing) 9.000m (30.000 feet) max VIBRATION 10 - 55Hz, 19.6m/s² (20G	DF	BIFT(mV1								
HOLD-UP TIME[ms] 20typ (ACIN 100V. lo=100%) OUTPUT VOLTAGE ADJUSTMENT RANGE[M] 9.60 - 13.2 (+V and -V are simultaneously adjusted) 13.2 - 16.5 (+V and -V are simultaneously adjusted) OUTPUT VOLTAGE SETTING[V] 11.5 - 12.5 (+V and -V CURRENT) 14.4 - 15.6 (+V and -V CURRENT) OVERCURRENT PROTECTION Works over 105% of rated current and recovers automatically OVERCULTAGE PROTECTION Works over 105% of rated current and recovers automatically OVERCULTAGE PROTECTION LED (Green) REMOTE ON/OFF None INPUT-OUTPUT AC3.000V 1minute. Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC2.000V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) <					t-up time is 700ms typ for		lying input again from turning off the input volt			
OUTPUT VOLTAGE SETTING[V] 11.5 - 12.5 (+V and -V CURRENT1) 14.4 - 15.6 (+V and -V CURRENT1) OVERCURRENT PROTECTION Works over 105% of rated current and recovers automatically OVERVOLTAGE PROTECTION[V] 16.8 - 24.0 20.0 - 29.0 OPERATING INDICATION LED (Green) REMOTE ON/OFF None SOLATION INPUT-FG AC2.000V 1minute. Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC2.000V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) VIBRATION 10 - 571°C (Required Derating). 20 - 90%RH (Non condensing) 3.000m (10.000feet) max VIBRATION 10				20typ (ACIN 100V, Io=100%)			······································			
OVERCURRENT PROTECTION DOPERATING INDICATION Works over 105% of rated current and recovers automatically OVERCURRENT PROTECTION DOTHERS 00 20.0 - 29.0 OPERATING INDICATION LED (Green) REMOTE ON/OFF None SOLATION AC3.000V 1minute. Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) INPUT-FG AC2.000V 1minute. Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OVERATING TEMP.HUMID.AND ALTITUDE -10 to +71°C (Required Derating). 20 - 90%RH (Non condensing) 3.000m (10.000feet) max STORAGE TEMP.HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9.000m (30.000feet) max VIBRATION 10 - 55Hz. 19.6m/s² (20, 3minutes period. 60minutes each along X. Y and Z axis IMPACT 196.1m/s² (20G). 11ms. once each X. Y and Z axis MOISE Conducted NoISE Complies with FCC Part15 classB. VCCI-B. CISPR22-B. EN55011-B. EN55022-B REGULATION 102.000-3.2 (Not built-in to active filter *7) *12 OTHERS CASE SIZE/WEIGHT 31 x78 x85mm [1.22 x3.07 x3.35 inches] (without terminal block) (WxHxD) / 200g max (without cover) <										
PROTECTION CIRCUIT AND DERATING INDICATION 16.8 - 24.0 20.0 - 29.0 OPERATING INDICATION LED (Green) REMOTE ON/OFF None INPUT-OUTPUT AC3.000V 1minute, Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) SOLATION INPUT-FG AC2.000V 1minute, Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC2.000V 1minute, Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OVERATING TEMP.HUMID.AND ALTITUDE -10 to +71°C (Required Derating), 20 - 90%RH (Non condensing) 3.000m (10.000feet) max STORAGE TEMP.HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9.000m (30,000feet) max VIBRATION 10 - 55Hz. 19.6m/s² (20), 3minutes period, 60minutes each along X. Y and Z axis IMPACT 196.1m/s² (20), 11ms, once each X. Y and Z axis VIBRATION UL60950-1, C-UL(CSA60950-1), EN50178 Complies with DEN-AN VOISE Complies with FCC Part15 classB. VCCI-B, CISPR22-B, EN55011-B, EN55022-B REGULATIONS CASE SIZE/WEIGHT 31 x78 x85mm [1.22 x3.07 x3.35 inches] (without terminal block) (WxHxD) / 200g max (without cover) COLING METHOD Convection Convection										
CIRCUIT AND DETROTING INDICATION LED (Green) OPERATING INDICATION LED (Green) REMOTE ON/OFF None INPUT-OUTPUT AC3.000V 1minute. Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) SOLATION INPUT-FG AC2.000V 1minute. Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OPERATING TEMP.HUMID.AND ALTITUDE -10 to +71°C (Required Derating), 20 - 90%RH (Non condensing) 3.000m (10.000feet) max STORAGE TEMP.HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9.000m (30.000feet) max STORAGE TEMP.HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9.000m (30.000feet) max STORAGE TEMP.HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9.000m (30.000feet) max STORAGE TEMP.HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9.000m (30.000feet) max STORAGE TEMP.HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9.000m (30.000feet) max STORAGE TEMP.HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9.000m (30.000feet) max VIBRATION 10 - 55Hz. 19.6m/s² (2G). 3minutes period. 60minutes each along X. Y and Z axis IMPACT 196.1m/s² (2G). 11ms. once each X. Y and Z axis CONDUCTED NOISE <td></td> <td></td> <td></td> <td colspan="6"></td>										
REMOTE ON/OFF None REMOTE ON/OFF None INPUT-OUTPUT AC3.000V 1minute. Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) SOLATION INPUT-FG AC2.000V 1minute. Cutoff current = 10mA. DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute. Cutoff current = 25mA. DC500V 50MΩ min (At Room Temperature) OPERATING TEMP.HUMID.AND ALTITUDE -10 to +71°C (Required Derating), 20 - 90%RH (Non condensing) 3.000m (10.000feet) max STORAGE TEMP.HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9.000m (30,000feet) max IMPACT 196.1m/s² (2G). 3minutes period. 60minutes each along X. Y and Z axis IMPACT 196.1m/s² (2G). 11ms. once each X. Y and Z axis CONDUCTED NOISE Complies with FCC Part15 classB. VCCI-B. CISPR22-B. EN55011-B. EN55022-B HARMONIC ATTENUATOR Complies with IEC61000-3-2 (Not built-in to active filter *7) *12 OTHERS CASE SIZE/WEIGHT 31 x78 x85mm [1.22 x3.07 x3.35 inches] (without terminal block) (WxHxD) / 200g max (without cover)										
INPUT-OUTPUT AC3.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) INPUT-FG AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) OUTPUT-FG AC500V 1minute, Cutoff current = 25mA, DC500V 50MΩ min (At Room Temperature) OPERATING TEMP,HUMID.AND ALTITUDE -10 to +71°C (Required Derating), 20 - 90%RH (Non condensing) 3.000m (10.000feet) max STORAGE TEMP,HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9.000m (30,000feet) max IMPACT 10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X. Y and Z axis SAFETY AND NOISE AGENCY APPROVALS (At only AC input) ULCOSA60950-1), EN60950-1, EN50178 Complies with DEN-AN CONDUCTED NOISE Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B HARMONIC ATTENUATOR Complies with IEC61000-3-2 (Not built-in to active filter *7) *12 DTHERS CASE SIZE/WEIGHT 31 x78 x85mm [1.22 x3.07 x3.35 inches] (without terminal block) (WxHxD) / 200g max (without cover)										
OUTPUT-FG AC500V 1minute, Cutoff current = 25mA, DC500V 50MΩ min (At Room Temperature) OPERATING TEMP.HUMID.AND ALTITUDE -10 to +71°C (Required Derating), 20 - 90%RH (Non condensing) 3.000m (10.000feet) max STORAGE TEMP.HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9.000m (30.000feet) max VIBRATION 10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis IMPACT 196.1m/s² (20G), 11ms, once each X, Y and Z axis CONDUCTED NOISE Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B EGULATION Complies with IEC61000-3-2 (Not built-in to active filter * 7) *12 OTHERS CASE SIZE/WEIGHT 31 x78 x85mm [1.22 x3.07 x3.35 inches] (without terminal block) (WxHxD) / 200g max (without cover)		INPUT-OUTPUT								
OPERATING TEMP,HUMID.AND ALTITUDE -10 to +71°C (Required Derating), 20 - 90%RH (Non condensing) 3,000m (10,000feet) max STORAGE TEMP,HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9,000m (30,000feet) max VIBRATION 10 - 55Hz. 19.6m/s² (2G), 3minutes period. 60minutes each along X. Y and Z axis IMPACT 196.1m/s² (20G), 11ms, once each X. Y and Z axis AGENCY APPROVALS (At only AC input) UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN CONDUCTED NOISE Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B REGULATIONS Complies with IEC61000-3-2 (Not built-in to active filter * 7) *12 DTHERS CASE SIZE/WEIGHT 31 x 78 x85mm [1.22 x 3.07 x 3.35 inches] (without terminal block) (Wx H xD) / 200g max (without cover)		INPUT-FG								
STORAGE TEMP,HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing) 9,000m (30,000feet) max VIBRATION 10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis IMPACT 196.1m/s² (20G), 11ms, once each X, Y and Z axis GAFETY AND VOISE AGENCY APPROVALS (At only AC input) UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN CONDUCTED NOISE Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B HARMONIC ATTENUATOR Complies with IEC61000-3-2 (Not built-in to active filter *7) *12 OTHERS CASE SIZE/WEIGHT 31 x 78 x85mm [1.22 x 3.07 x 3.35 inches] (without terminal block) (WxHxD) / 200g max (without cover)										
ENVIRONMENT VIBRATION 10 - 55Hz. 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis IMPACT 196.1m/s² (20G), 11ms, once each X, Y and Z axis SAFETY AND NOISE AGENCY APPROVALS (At only AC input) UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN CONDUCTED NOISE Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B HARMONIC ATTENUATOR Complies with IEC61000-3-2 (Not built-in to active filter *7) *12 OTHERS CASE SIZE/WEIGHT 31 x 78 x85mm [1.22 x 3.07 x 3.35 inches] (without terminal block) (WxHxD) / 200g max (without cover)							neet) max			
IMPACT 196.1m/s ² (20G), 11ms, once each X, Y and Z axis SAFETY AND VOISE REGULATIONS AGENCY APPROVALS (At only AC input) UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN CONDUCTED NOISE Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B HARMONIC ATTENUATOR Complies with IEC61000-3-2 (Not built-in to active filter * 7) *12 OTHERS CASE SIZE/WEIGHT 31 x 78 x85mm [1.22 x 3.07 x 3.35 inches] (without terminal block) (WxHxD) / 200g max (without cover)	-NVIRONMENT —		ALITUDE				ris			
AGENCY APPROVALS (At only AC input) UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN ODSE VOISE REGULATIONS Complices with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B HARMONIC ATTENUATOR Complies with IEC61000-3-2 (Not built-in to active filter *7) *12 OTHERS CASE SIZE/WEIGHT 31 x 78 x85mm [1.22 x 3.07 x 3.35 inches] (without terminal block) (WxHxD) / 200g max (without cover)										
CONDUCTED NOISE Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B REGULATIONS HARMONIC ATTENUATOR Complies with IEC61000-3-2 (Not built-in to active filter *7) *12 CTHERS CASE SIZE/WEIGHT 31 x 78 x85mm [1.22 x 3.07 x 3.35 inches] (without terminal block) (WxHxD) / 200g max (without cover) CONDUNG METHOD Convection										
REGULATIONS HARMONIC ATTENUATOR Complies with IEC61000-3-2 (Not built-in to active filter *7) *12 DTHERS CASE SIZE/WEIGHT 31 x 78 x 85mm [1.22 x 3.07 x 3.35 inches] (without terminal block) (W x H x D) / 200g max (without cover) COOLING METHOD Convection	IM						l			
CASE SIZE/WEIGHT 31 x 78 x 85mm [1.22 x 3.07 x 3.35 inches] (without terminal block) (W x H x D) / 200g max (without cover) COOLING METHOD Convection	IM SAFETY AND AG NOISE CO	ONDUCTED NOISE		Complies with FCC Part 15 classe	Complies with IEC61000-3-2 (Not built-in to active filter *7) *12					
	IM SAFETY AND AG NOISE CC		TOR	· ·	built-in to active filter *7	7) *12				
	AFETY AND AG NOISE CC REGULATIONS HA	ARMONIC ATTENUAT	ror	Complies with IEC61000-3-2 (Not			200g max (without cover)			
*1 Measured by 20MHz oscilloscope or Ripple-Noise side is fixed. *10 Please contact us about safety approvals for the mo	AFETY AND AG IOISE EGULATIONS HA	ARMONIC ATTENUAT ASE SIZE/WEIGHT	FOR	Complies with IEC61000-3-2 (Not 31 x 78 x 85mm [1.22 x 3.07 x 3.35			200g max (without cover)			

side is fixed. *4 Figures for 0 to rated current 2.The current not measured

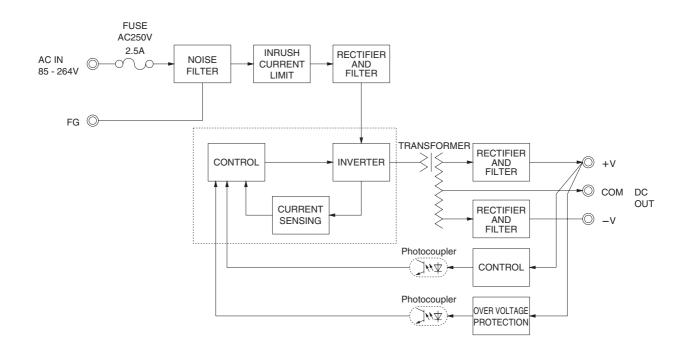
PBA/PI

- the harmonic attenuator. Please contact us for details.
- *8 Derating is required.*9 Figures to rated current 1.

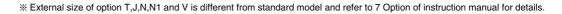
- Parallel operation with other model is not possible.
- * Derating is required when operated with cover. A sound may occur from power supply at peak loading. *

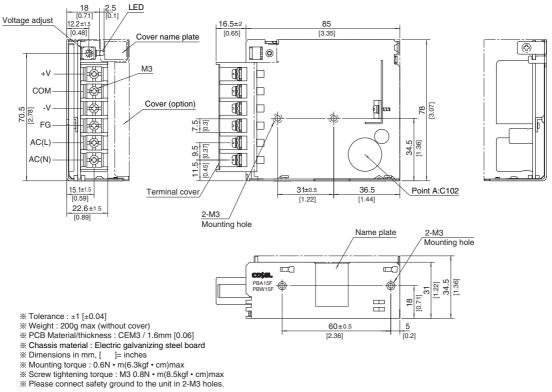
PBW15F | CO\$EL

Block diagram



External view





PBA/PBW

COŞE	L AC-DC P	ower	Supplies Encl	osed type	Ordering information				
	Pl	BW	30F		PB	W 30	_ F	- <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u>	
CROHS	S Vitracter S					Recommended EML NAC-06-472 Works and the second sec	e : NAP series NAM series mmended	 (1) Series name (2) Dual output (3) Output wattage (4) Universal input (5) Output voltage (6) Optional *10 C :with Coating G :Low leakage current E :Low leakage current E :Low leakage current E :Low leakage current A E : Low leakage current C :with Coating G :Low leakage current C :with Coating C :with Coating C :with Cover N :with Cover N1 :with DIN rail V :Output voltage settim potentiometer external ly 	
						Cover is o			
MODEL MAX OUTPU	T WATTAGE[W]	*5	PBW30F-5 15		PBW30F-12 31.2		PBW30F-1 30.0	15	
		VOLTAGE[V] *6			±12 (+24)		±15 (+30)	
DC OUTPUT		CURRENT1[A]			1.3		1.0		
		CURRENT2[A] * 5	2.0		1.7		1.4		
SPECIF	ICATIONS								
	MODEL		PBW30F-5		PBW30F-12		PBW30F-1	15	
	VOLTAGE[V]			C110 - 370 (AC50 or	1	to the instruction manu			
		ACIN 100V		0110 070 (A030 01	0.7typ (CURRENT			Voltage *0/	
	CURRENT[A]	ACIN 200V)	0.4typ (CURRENT				
	FREQUENCY[Hz]		50/60 (47 - 440) or DC						
IPUT	EFFICIENCY[%]	ACIN 100V	75typ (CURRENT1) 77typ (CURRENT1)					78typ (CURRENT1)	
		ACIN 200V	<u>, , , , , , , , , , , , , , , , , , , </u>		81typ (CURRENT	1)	79typ (CUI	RRENT1)	
	INRUSH CURRENT[A]	ACIN 100V		typ (CURRENT1) (At cold start)					
	LEAKAGE CURRENT[ACIN 200V			100% According to	IEC60950-1,DENAN)			
	VOLTAGE[V]		±5	/(+10V reference number)	±12	/ (+24V reference number)	±15	/ (+30V reference numb	
			1.5	/ 1.5		/ 1.3		/ 1.0	
					1.3		1.0		
	CURRENT1[A] CURRENT2[A]	*5		/ -	1.3 1.7	/-	1.0	/ -	
	CURRENT1[A]			/ - / 36max			-	/ - / 96max	
	CURRENT1[A] CURRENT2[A]	V] 👬	2.0		1.7	/ -	1.4	,	
	CURRENT1[A] CURRENT2[A] LINE REGULATION[m ¹	V] *** [mV] *** [mV] ***	2.0 20max 250max 500max	/ 36max / 100max / -	1.7 60max 600max 750max	/ - / 96max / 150max / -	1.4 60max 600max 750max	/ 96max / 150max / -	
	CURRENT1[A] CURRENT2[A] LINE REGULATION[m ¹ LOAD REGULATION 1 LOAD REGULATION 2	V] *11 [mV] *11 [mV] *11 0 to +50°C *1	2.0 20max 250max 500max 80max	/ 36max / 100max / - / 240max	1.7 60max 600max 750max 120max	/ - / 96max / 150max / - / 240max	1.4 60max 600max 750max 120max	/ 96max / 150max / - / 240max	
	CURRENT1[A] CURRENT2[A] LINE REGULATION[m ¹ LOAD REGULATION 1	V] *** [mV] *** [mV] *** 0 to +50°C **1 -10 - 0°C **	2.0 20max 250max 500max 80max 140max	/ 36max / 100max / - / 240max / 320max	1.7 60max 600max 750max 120max 160max	/ - / 96max / 150max / - / 240max / 320max	1.4 60max 600max 750max 120max 160max	/ 96max / 150max / - / 240max / 320max	
UTPUT	CURRENT1[A] CURRENT2[A] LINE REGULATION[m ¹ LOAD REGULATION 1 LOAD REGULATION 2	V] *** [mV] *** [mV] *** 0 to +50°C *** -10 - 0°C *** 0 to +50°C **	2.0 20max 250max 500max 80max 140max 120max	/ 36max / 100max / - / 240max / 320max / 300max	1.7 60max 600max 750max 120max 160max 150max	/ - / 96max / 150max / - / 240max / 320max / 300max	1.4 60max 600max 750max 120max 160max 150max	/ 96max / 150max / - / 240max / 320max / 300max	
UTPUT	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p]	V] ************************************	2.0 20max 250max 500max 80max 140max 120max 160max	/ 36max / 100max / - / 240max / 320max	1.7 60max 600max 750max 120max 160max 150max 180max	/ - / 96max / 150max / - / 240max / 320max	1.4 60max 600max 750max 120max 160max 150max 180max	/ 96max / 150max / - / 240max / 320max	
UTPUT	CURRENT1[A] CURRENT2[A] LINE REGULATION[m ¹ LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p]	V] ************************************	2.0 20max 250max 500max 80max 140max 120max 160max 50max	/ 36max / 100max / - / 240max / 320max / 300max	1.7 60max 600max 750max 120max 160max 150max	/ - / 96max / 150max / - / 240max / 320max / 300max	1.4 60max 600max 750max 120max 160max 150max	/ 96max / 150max / - / 240max / 320max / 300max	
UTPUT	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p]	V] ************************************	2.0 20max 250max 500max 80max 140max 120max 160max	/ 36max / 100max / - / 240max / 320max / 300max	1.7 60max 600max 750max 120max 160max 150max 180max 120max	/ - / 96max / 150max / - / 240max / 320max / 300max	1.4 60max 600max 750max 120max 160max 150max 180max 150max	/ 96max / 150max / - / 240max / 320max / 300max	
UTPUT	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms]	V] *11 [mV] *11 [mV] *11 0 to +50°C *1 -10 - 0°C *1 0 to +50°C -10 to +50°C -10 to +50°C	2.0 20max 250max 500max 80max 140max 120max 160max 50max 60max 20max	/ 36max / 100max / - / 240max / 320max / 300max / 360max	1.7 60max 600max 750max 120max 160max 150max 180max 120max 150max 150max 48max	/ - / 96max / 150max / - / 240max / 320max / 300max / 360max	1.4 60max 600max 750max 120max 160max 150max 180max 180max 180max 60max	/ 96max / 150max / - / 240max / 320max / 300max / 360max	
UTPUT	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms]	V] *11 [mV] *11 [mV] *11 [mV] *11 -10 - 0°C *1 -10 to +50°C -10 to +50°C *2	2.0 20max 250max 500max 80max 140max 120max 160max 50max 60max 20max 200typ(ACIN 100V, lo= 200typ (ACIN 100V, lo	/ 36max / 100max / - / 240max / 320max / 300max / 360max / 360max	1.7 60max 600max 750max 120max 160max 150max 180max 120max 150max 150max 48max is 700ms typ for less	/ - / 96max / 150max / - / 240max / 320max / 300max / 360max s than 1minute of applying	1.4 60max 750max 120max 160max 150max 150max 150max 180max 60max 9 input again	/ 96max / 150max / - / 240max / 320max / 300max / 360max from turning off the input voltage	
UTPUT	CURRENT1[A] CURRENT2[A] LINE REGULATION[m] LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN	V] *11 [mV] *11 [mV] *11 [mV] *11 [nv]	2.0 20max 250max 500max 80max 140max 120max 160max 50max 50max 20max 20max 200typ(ACIN 100V, lo= 20typ (ACIN 100V) (ACIN 100	/ 36max / 100max / - / 240max / 320max / 300max / 360max / 360max =100%) *Start-up time =100%) simultaneously adjusted)	1.7 60max 600max 750max 120max 150max 150max 150max 150max 150max 9 is 700ms typ for less 9.60 - 13.2 (+V and -V	/ - / 96max / 150max / 240max / 240max / 320max / 300max / 360max s than 1minute of applying are simultaneously adjusted)	1.4 60max 600max 750max 120max 160max 150max 180max 150max 180max 60max 9 input again 13.2 - 16.5 (+	/ 96max / 150max / - / 240max / 320max / 300max / 360max / 360max	
UTPUT	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE SET	V] *1 [mV] *1 [mV] *1 [mV] *1 [n0 to +50°C *1 -10 - 0°C *1 0 to +50°C -10 to +50°C *2 T RANGE[V] [TTING[V]	2.0 20max 250max 500max 80max 140max 122max 160max 50max 60max 20max 200typ(ACIN 100V, lo= 20typ (ACIN	/ 36max / 100max / - / 240max / 320max / 300max / 360max =100%) *Start-up time =100%) simultaneously adjusted) V CURRENT1)	1.7 60max 600max 750max 120max 120max 150max 180max 120max 150max 120max 150max 190max 10	/ - / 96max / 150max / 240max / 240max / 320max / 300max / 360max s than 1minute of applying are simultaneously adjusted)	1.4 60max 600max 750max 120max 160max 150max 180max 150max 180max 60max 9 input again 13.2 - 16.5 (+	/ 96max / 150max / - / 240max / 320max / 300max / 360max from turning off the input voltage	
	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE SET OVERCURRENT PROT	V] *1 [mV] *1 [mV] *1 [mV] *1 [0 to +50°C *1 -10 - 0°C *1 0 to +50°C -10 to +50°C *2 T RANGE[V] [TTING[V] FECTION	2.0 20max 250max 500max 80max 140max 120max 160max 50max 60max 20max 20max 200tp(ACIN 100V, lo= 20typ (ACIN 100V, lo= 20typ (ACIN 100V, lo= 20typ (ACIN 100V, lo= 4.99 - 6.00 (+V and -V are 4.99 - 5.30 (+V and -V are) Works over 105% of	/ 36max / 100max / - / 240max / 320max / 300max / 360max =100%) *Start-up time =100%) simultaneously adjusted) V CURRENT1)	1.7 60max 600max 750max 120max 160max 160max 180max 180max 120max 150max 48max 48max 9.60 - 13.2 (+V and -V 11.5 - 12.5 (+V and -V 11.5 - 12.5 (+V and -V) 11.5 - 12.5 (+V and -V)	/ - / 96max / 150max / 240max / 240max / 320max / 300max / 360max s than 1minute of applying are simultaneously adjusted)	1.4 60max 600max 750max 120max 160max 150max 150max 180max 60max 9 input again 13.2 - 16.5 (+ 14.4 - 15.6	/ 96max / 150max / - / 240max / 320max / 300max / 360max from turning off the input voltage v and -V are simultaneously adjust 6 (+V and -V CURRENT1)	
ROTECTION	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE SET OVERVOLTAGE PROTECT	V] **** [mV] **** [mV] **** [0 to +50 C *** 0 to +50 C *** -10 - 0 C *** 0 to +50 C **** T RANGE[V] TTING[V] TECTION CTION[V]	2.0 20max 250max 500max 80max 140max 120max 120max 160max 20max 200typ (ACIN 100V. lo 20typ (ACIN 100V. lo 20typ (ACIN 100V. lo 20typ (ACIN 100V. lo 4.99 - 6.00 (+V and -V are 4.99 - 5.30 (+V and - Works over 105% of 6.90 - 10.0	/ 36max / 100max / - / 240max / 320max / 300max / 360max =100%) *Start-up time =100%) simultaneously adjusted) V CURRENT1)	1.7 60max 600max 750max 120max 120max 150max 180max 120max 150max 120max 150max 190max 10	/ - / 96max / 150max / 240max / 240max / 320max / 300max / 360max s than 1minute of applying are simultaneously adjusted)	1.4 60max 600max 750max 120max 160max 150max 180max 150max 180max 60max 9 input again 13.2 - 16.5 (+	/ 96max / 150max / - / 240max / 320max / 300max / 360max from turning off the input voltage v and -V are simultaneously adjust 6 (+V and -V CURRENT1)	
ROTECTION	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE AST OVERCURRENT PROT	V] **** [mV] **** [mV] **** [0 to +50 C *** 0 to +50 C *** -10 - 0 C *** 0 to +50 C **** T RANGE[V] TTING[V] TECTION CTION[V]	2.0 20max 250max 500max 80max 140max 120max 160max 50max 60max 20max 20max 200tp(ACIN 100V, lo= 20typ (ACIN 100V, lo= 20typ (ACIN 100V, lo= 20typ (ACIN 100V, lo= 4.99 - 6.00 (+V and -V are 4.99 - 5.30 (+V and -V are) Works over 105% of	/ 36max / 100max / - / 240max / 320max / 300max / 360max / 360max =100%) *Start-up time =100%) simultaneously adjusted) V CURRENT1)	1.7 60max 600max 750max 120max 160max 160max 180max 180max 120max 150max 48max 48max 9.60 - 13.2 (+V and -V 11.5 - 12.5 (+V and -V 11.5 - 12.5 (+V and -V) 11.5 - 12.5 (+V and -V)	/ - / 96max / 150max / 240max / 240max / 320max / 300max / 360max s than 1minute of applying are simultaneously adjusted)	1.4 60max 600max 750max 120max 160max 150max 150max 180max 60max 9 input again 13.2 - 16.5 (+ 14.4 - 15.6	/ 96max / 150max / - / 240max / 320max / 300max / 360max from turning off the input voltage v and -V are simultaneously adjust 6 (+V and -V CURRENT1)	
ROTECTION IRCUIT AND	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE ADJUSTMEN OVERVOLTAGE PROTEC OPERATING INDICATI	V] **** [mV] **** [mV] **** [0 to +50 C *** 0 to +50 C *** -10 - 0 C *** 0 to +50 C **** T RANGE[V] TTING[V] TECTION CTION[V]	2.0 20max 250max 500max 80max 140max 120max 160max 50max 20max 20max 20typ (ACIN 100V. lo= 20typ (ACIN	/ 36max / 100max / - / 240max / 320max / 300max / 360max / 360max	1.7 60max 600max 750max 120max 150max 150max 150max 150max 150max 150max 9.60 - 13.2 (+V and -V 11.5 - 12.5 (+V and -V 11.5 - 12.5 (+V and -V 11.5 - 24.0	/ - / 96max / 150max / 240max / 240max / 320max / 300max / 360max s than 1minute of applying are simultaneously adjusted)	1.4 60max 600max 750max 120max 160max 150max 150max 180max 60max 9 input again 13.2 - 16.5 (+ 14.4 - 15.6	/ 96max / 150max / - / 240max / 320max / 300max / 360max from turning off the input voltage v and -V are simultaneously adjust 6 (+V and -V CURRENT1)	
ROTECTION IRCUIT AND THERS	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE PROTEC OPERATING INDICATI REMOTE ON/OFF INPUT-OUTPUT INPUT-FG	V] **** [mV] **** [mV] **** [0 to +50 C *** 0 to +50 C *** -10 - 0 C *** 0 to +50 C **** T RANGE[V] TTING[V] TECTION CTION[V]	2.0 20max 250max 500max 80max 140max 120max 160max 50max 60max 200typ(ACIN 100V, lo- 200typ(ACIN 100V, lo- 20typ (ACIN 100V, lo- 4.99 - 5.30 (+V and -V are 4.99 - 5.30 (+V and -V are 4.99 - 5.30 (+V and -V are 4.99 - 10.0 LED (Green) None AC3.000V 1minute, C	/ 36max / 100max / - / 240max / 320max / 300max / 300max / 360max =100%) *Start-up time =100%) simultaneously adjusted) V CURRENT1) rated current and rec Cutoff current = 10mA Cutoff current = 10mA	1.7 60max 600max 750max 120max 150max 150max 180max 150max 180max 150max 180max 150max 180max 150max 9 is 700ms typ for less 9.60 - 13.2 (+V and -V 11.5 - 12.5 (+V and v) 11.5 - 12.5 (+V and v) 16.8 - 24.0 0 0 0. DC500V 50MΩ m 0. DC500V 50MΩ m	/ - / 96max / 150max / 240max / 220max / 320max / 300max / 360max / 360max are simultaneously adjusted) d -V CURRENT1) in (At Room Temperatu in (At Room Temperatu	1.4 60max 600max 750max 120max 160max 150max 180max 180max 180max 9 input again 13.2 - 16.5 (+ 14.4 - 15.6 20.0 - 29.0 mre) mre)	/ 96max / 150max / - / 240max / 320max / 300max / 360max from turning off the input voltage v and -V are simultaneously adjust 6 (+V and -V CURRENT1)	
ROTECTION IRCUIT AND THERS	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms] HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE PROTEC OPERATING INDICATI REMOTE ON/OFF INPUT-FG OUTPUT-FG	V] *1 [mV] *1 [mV] *1 [mV] *1 [0 to +50°C *1 -10 -0°C *1 0 to +50°C -10 to +50°C *2 T RANGE[V] TTING[V] FECTION CTION[V] ON	2.0 20max 250max 500max 80max 140max 120max 120max 160max 50max 60max 200typ (ACIN 100V, lo= 20typ (ACIN 100V, lo= AC3000V 1minute, Cu	/ 36max / 100max / - / 240max / 320max / 300max / 360max / 360max =100%) *Start-up time =100%) simultaneously adjusted) V CURRENT1) rated current and rec Cutoff current = 10mA cutoff current = 10mA	1.7 60max 600max 750max 120max 160max 150max 180max 150max 150max 150max 48max 9.60 - 13.2 (+V and -V 11.5 - 12.5 (+V and v) 16.8 - 24.0 0 DC500V 50M Ω m DC500V 50M Ω min	/ - / 96max / 150max / - / 240max / 320max / 320max / 300max / 360max / 360max s than 1minute of applyin are simultaneously adjusted) id -V CURRENT1) min (At Room Temperature in (At Room Temperature (At Room Temperature	1.4 60max 600max 750max 120max 160max 150max 150max 180max 60max 9 input again 13.2 - 16.5 (+ 14.4 - 15.6 20.0 - 29.0 mre) mre)	/ 96max / 150max / - / 240max / 320max / 300max / 360max / 360max	
ROTECTION IRCUIT AND THERS	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE PROTEC OVERCURRENT PROT OVERCURRENT PROT OVERCURRENT PROT OVERVOLTAGE PROTEC OPERATING INDICATI REMOTE ON/OFF INPUT-FG OUTPUT-FG OUTPUT-FG OUTPUT-FG	V] *1 [mV] *1 [mV] *1 [mV] *1 0 to +50 C *1 -10 -0 C *1 0 to +50 C -10 to +50 C *2 T RANGE[V] TTING[V] TECTION CTION[V] ON	2.0 20max 250max 500max 80max 140max 120max 120max 160max 50max 60max 200typ (ACIN 100V, Io= 20typ (ACIN 100V, Io= ACIN 400V (Io= ACIN 400V 100V, Io= ACIN 400V 100V 100V, IO= ACIN 400V 100V 100V 100V 100V 100V 100V 10	/ 36max / 100max / - / 240max / 320max / 300max / 360max / 360max =100%) *Start-up time =100%) simultaneously adjusted) V CURRENT1) rated current and rec Cutoff current = 10mA cutoff current = 10mA toff current = 25mA, ad Derating), 20 - 90°	1.7 60max 600max 750max 120max 160max 150max 180max 150max 180max 150max 48max is 700ms typ for less 9.60 - 13.2 (+V and -V 11.5 - 12.5 (+V and or V) 16.8 - 24.0 w. DC500V 50M Ω min DC500V 50M Ω min %PG0 50M Ω min %PG100 50M Ω min %PG4H (Non condens)	/ - / 96max / 150max / - / 240max / 320max / 320max / 300max / 360max / 360max / 360max / 360max is than 1minute of applyin are simultaneously adjusted) id -V CURRENT1) thin (At Room Temperature in (At Room Temperature in (At Room Temperature in (Jat Room Temperature) Jacoba (Jacoba (Jaco	1.4 60max 600max 750max 120max 160max 150max 150max 180max 60max 9 input again 13.2 - 16.5 (+ 14.4 - 15.6 20.0 - 29.0 mre) mre)	/ 96max / 150max / - / 240max / 320max / 300max / 360max / 360max	
ROTECTION IRCUIT AND ITHERS SOLATION	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE ADJUSTMEN OVERCURRENT PROTO OVERVOLTAGE PROTECO OPERATING INDICATI REMOTE ON/OFF INPUT-FG OUTPUT-FG OUTPUT-FG	V] *1 [mV] *1 [mV] *1 [mV] *1 0 to +50 C *1 -10 -0 C *1 0 to +50 C -10 to +50 C *2 T RANGE[V] TTING[V] TECTION CTION[V] ON	2.0 20max 250max 500max 80max 140max 120max 160max 50max 60max 200typ (ACIN 100V. lo= 20typ (ACIN 100V. lo= 4.99 - 5.30 (+V and -V are 4.99 - 5.30 (+V and -V are 4.90 - 10.0 LED (Green) None AC3.000V 1minute, Cu -10 to +71 °C (Require -20 to +75 °C, 20 - 90	/ 36max / 100max / - / 240max / 320max / 300max / 360max / 360max	1.7 60max 600max 600max 750max 120max 160max 150max 180max 190max 180max 190max 190max 190max 190max 190max 190max 190max 190max 190max 48max is 700ms typ for less 9.60 - 13.2 (+V and -V 11.5 - 12.5 (+V and -V 16.8 - 24.0 Ax DC500V 50M Ω mm By 9,000m (30,0000	/ - / 96max / 150max / - / 240max / 320max / 320max / 300max / 360max / 360max s than 1minute of applyin are simultaneously adjusted) d -V CURRENT1) sin (At Room Temperature in (At Room Temperature (At Room Temperature ing) 3.000m (10.000fee feet) max	1.4 60max 600max 750max 120max 160max 150max 150max 180max 60max 9 input again 13.2 - 16.5 (+ 14.4 - 15.6 20.0 - 29.0 mre) mre)	/ 96max / 150max / - / 240max / 320max / 300max / 360max / 360max	
ROTECTION IRCUIT AND ITHERS SOLATION	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE ADJUSTMEN OVERCURRENT PROTE OVERCURRENT PROTE OVERCURRENT PROTE OVERCURRENT PROTE OVERCURAGE PROTEC OPERATING INDICATI REMOTE ON/OFF INPUT-G OUTPUT-FG OUTPUT-FG OUTPUT-FG OPERATING TEMP.HUMID.AND VIBRATION	V] *1 [mV] *1 [mV] *1 [mV] *1 0 to +50 C *1 -10 -0 C *1 0 to +50 C -10 to +50 C *2 T RANGE[V] TTING[V] TECTION CTION[V] ON	2.0 20max 250max 500max 80max 140max 120max 120max 160max 50max 20max 20max 20typ (ACIN 100V. Io- 20typ (ACIN 100V. Io- 100 (+V and -V are 4.99 - 5.30 (-V and -V are) 4.90 - 10.0 LED (Green) None AC3.000V 1minute, C AC500V 1min	/ 36max / 100max / - / 240max / 320max / 320max / 360max / 360max	1.7 60max 600max 600max 750max 120max 160max 150max 180max 150max 180max 190max 150max 140max 150max 960 - 13.2 (+V and -V 11.5 - 12.5 (+V an wovers automatically 16.8 - 24.0 0 0 0.05500V 50MΩ m 0.05500V 50MΩ m 0.00500V 50MΩ m %RH (Non condens reg) 9,000m (30,000D) d60minutes each a	/ - / 96max / 150max / - / 240max / 320max / 320max / 300max / 360max / 360max s than 1minute of applyin are simultaneously adjusted) d -V CURRENT1) sin (At Room Temperature in (At Room Temperature (At Room Temperature ing) 3.000m (10.000fee feet) max	1.4 60max 600max 750max 120max 160max 150max 150max 180max 60max 9 input again 13.2 - 16.5 (+ 14.4 - 15.6 20.0 - 29.0 mre) mre)	/ 96max / 150max / - / 240max / 320max / 300max / 360max / 360max	
ROTECTION IRCUIT AND THERS SOLATION	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE PROTEC OPERATING INDICATI REMOTE ON/OFF INPUT-OUTPUT INPUT-FG OUTPUT-FG OUTPUT-FG OUTPUT-FG OUTPUT-FG OPERATING TEMP,HUMID.AND VIBRATION IMPACT	V] *1 [mV] *1 [mV] *1 [mV] *1 [mV] *1 [n0 - 0C *1 0 to +50 C -10 - 0C *1 0 to +50 C -10 - 0C *1 0 to +50 C *2 T RANGE[V] TTING[V] TTING[V] ON	2.0 20max 250max 500max 80max 140max 120max 160max 50max 50max 60max 20max 200typ (ACIN 100V, Io- 20typ (ACIN 100V, Io- 4.99 - 5.30 (+V and -V are 4.99 - 5.30 (+V ard -V are 4.90 - 5.30 (+V are	/ 36max / 100max / 100max / 240max / 320max / 320max / 300max / 360max / 36	1.7 60max 600max 750max 120max 180max 150max 180max 180max 180max 180max 190max 100max 100max 100max 100max 100max 100max 000m 000m 0000m 0000m 0000m 0000m 0000m 1000minutes each a 10d Z axis	/ - / 96max / 150max / 240max / 240max / 320max / 300max / 360max / 40 cuRRENT1)	1.4 60max 600max 750max 120max 160max 150max 150max 180max 60max 9 input again 13.2 - 16.5 (+ 14.4 - 15.6 20.0 - 29.0 mre) mre)	/ 96max / 150max / - / 240max / 320max / 300max / 360max from turning off the input voltage v and -V are simultaneously adjust 6 (+V and -V CURRENT1)	
ROTECTION IRCUIT AND THERS SOLATION INVIRONMENT	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms] HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE PROTEC OPERATING INDICATI REMOTE ON/OFF INPUT-FG OUTPUT-FG OUTPUT-FG OUTPUT-FG OPERATING TEMP.HUMID.AND STORAGE TEMP.HUMID.AND VIBRATION IMPACT AGENCY APPROVALS (At onl	V] *1 [mV] *1 [mV] *1 [mV] *1 [mV] *1 [n0 - 0C *1 0 to +50 C -10 - 0C *1 0 to +50 C -10 - 0C *1 0 to +50 C *2 T RANGE[V] TTING[V] TTING[V] ON	2.0 20max 250max 500max 80max 140max 120max 160max 50max 60max 20max 20max 200typ(ACIN 100V, lo= 20typ (ACIN 100V, lo= 4.99 - 5.30 (+V and -V are 4.99 - 5.30 (+V and -V are 4.90 - 5.50 (+V are 4.90 (+V are 4.90 - 5.50 (+V are 4.90	/ 36max / 100max / - / 240max / 320max / 300max / 300max / 300max / 360max - - - - - - - - - - - - - - - - - - -	1.7 60max 600max 750max 120max 150max 150max 180max 150max 180max 150max 180max 150max 180max 150max 9.60 - 13.2 (+V and -V 11.5 - 12.5 (+V and -V 11.5 - 12.5 (+V and overs automatically 16.8 - 24.0 0.00500V 50MΩ min % DC500V 50MΩ min % DC500V 50MΩ min % H (Non condens mg) 9.000m (30.0001 0.6 0minutes each a and Z axis 0-1, EN50178 Comp	/ - / 96max / 150max / 240max / 240max / 320max / 320max / 300max / 360max s than 1minute of applying are simultaneously adjusted) id -V CURRENT1) in (At Room Temperature ing) 3.000m (10.000fee feet) max Jong X, Y and Z axis lies with DEN-AN	1.4 60max 600max 750max 120max 160max 150max 150max 180max 60max 9 input again 13.2 - 16.5 (+ 14.4 - 15.6 20.0 - 29.0 mre) mre)	/ 96max / 150max / - / 240max / 320max / 300max / 360max from turning off the input voltage v and -V are simultaneously adjust 6 (+V and -V CURRENT1)	
ROTECTION IRCUIT AND THERS SOLATION NVIRONMENT AFETY AND IOISE	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE PROTEC OVERVOLTAGE PROTEC OPERATING INDICATI REMOTE ON/OFF INPUT-OG OVERVOLTAGE PROTEC OPERATING TEMP,HUMID.AND STORAGE TEMPOVALS (At onl CONDUCTED NOISE	V] *1 [mV]	2.0 20max 250max 500max 500max 80max 140max 120max 120max 160max 20max 200typ (ACIN 100V, lo= 20typ (ACIN 100V, lo= 100 +7 5°C, 20 + 7 arc -20 to +75°C, 20 + 90 10 - 55Hz, 19.6m/s ² 196.1m/s ² (20G), 11r UL60950-1, C-UL(CS Complies with FCC F	/ 36max / 100max / 240max / 240max / 320max / 300max / 300max / 360max / 360max =100%) simultaneously adjusted) V CURRENT1) rated current and rec Cutoff current = 10mA cutoff current = 10mA cutoff current = 25mA, ad Derating), 20 - 90° %RH (Non condensin (2G), 3minutes perior ns. once each X. Y a A60950-1), EN6095C art15 classB, VCCI-E	1.7 60max 600max 750max 120max 160max 150max 180max 150max 180max 150max 180max 150max 48max 9.60 - 13.2 (+V and -V 11.5 - 12.5 (+V and -V 11.5 - 12.5 (+V and overs automatically 16.8 - 24.0 0 0 0.0500V 50MΩ min %BH (Non condens ng) 9.000m (30.0001 0.60minutes each a mind Z axis -1, EN50178 Comp 3, CISPR22-B, EN50	/ - / 96max / 150max / - / 240max / 320max / 300max / 300max / 360max / 400m Temperature ing) 3.000m (10.000fee feet) max Ilong X, Y and Z axis Ilies with DEN-AN 5011-B, EN55022-B	1.4 60max 600max 750max 120max 160max 150max 150max 180max 60max 9 input again 13.2 - 16.5 (+ 14.4 - 15.6 20.0 - 29.0 mre) mre)	/ 96max / 150max / - / 240max / 320max / 300max / 360max / 360max	
ROTECTION IRCUIT AND ITHERS SOLATION NVIRONMENT AFETY AND IOISE EGULATIONS	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE PROTEC OVERVOLTAGE PROTEC OVERVOLTAGE PROTEC OPERATING INDICATI REMOTE ON/OFF INPUT-FG OUTPUT-FG OUTPUT-FG OUTPUT-FG OUTPUT-FG OUTPUT-FG OUTPUT-FG OUTPUT-FG OUTPUT-FG OUTPUT-FG CONDUCTED NOISE HARMONIC ATTENUAX	V] *1 [mV]	2.0 20max 250max 500max 80max 140max 120max 120max 160max 50max 60max 20max 200typ (ACIN 100V, lo= 20typ (ACIN 100V, lo= 100 +V and -V are 4.99 - 5.30 (+V and -V are 4.90 - 5.90 (+V an	/ 36max / 100max / 240max / 320max / 300max / 360max / 36	1.7 60max 600max 600max 750max 120max 160max 150max 180max 150max 180max 150max 180max 150max 48max is 700ms typ for less 9.60 - 13.2 (+V and -V 11.5 - 12.5 (+V and orgen account and cally orgen account a	/ - / 96max / 150max / - / 240max / 320max / 320max / 300max / 360max / 360max s than 1minute of applyin are simultaneously adjusted) d -V CURRENT1) min (At Room Temperature in (At Room Temperature ing) 3,000m (10,000fee feet) max ilong X, Y and Z axis lies with DEN-AN 5011-B, EN55022-B #12	1.4 60max 600max 750max 120max 160max 150max 180max 180max 60max g input again 13.2 - 16.5 (+ 14.4 - 15.6 20.0 - 29.0 rre) rre)) max	/ 96max / 150max / - / 240max / 320max / 300max / 300max / 360max from turning off the input voltag V and -V are simultaneously adjuste S (+V and -V CURRENT1)	
ROTECTION IRCUIT AND THERS SOLATION NVIRONMENT AFETY AND IOISE	CURRENT1[A] CURRENT2[A] LINE REGULATION[m' LOAD REGULATION 1 LOAD REGULATION 2 RIPPLE[mVp-p] RIPPLE[mVp-p] RIPPLE NOISE[mVp-p] TEMPERATURE REGULATION[mV] DRIFT[mV] START-UP TIME[ms] HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE ADJUSTMEN OUTPUT VOLTAGE PROTEC OVERVOLTAGE PROTEC OPERATING INDICATI REMOTE ON/OFF INPUT-OG OVERVOLTAGE PROTEC OPERATING TEMP,HUMID.AND STORAGE TEMPOVALS (At onl CONDUCTED NOISE	V] *1 [mV]	2.0 20max 250max 500max 80max 140max 120max 120max 160max 50max 60max 20max 200typ (ACIN 100V, lo= 20typ (ACIN 100V, lo= 100 +V and -V are 4.99 - 5.30 (+V and -V are 4.90 - 5.90 (+V an	/ 36max / 100max / 240max / 320max / 300max / 360max / 36	1.7 60max 600max 600max 750max 120max 160max 150max 180max 150max 180max 150max 180max 150max 48max is 700ms typ for less 9.60 - 13.2 (+V and -V 11.5 - 12.5 (+V and orgen account and cally orgen account a	/ - / 96max / 150max / - / 240max / 320max / 300max / 300max / 360max / 400m Temperature ing) 3.000m (10.000fee feet) max Ilong X, Y and Z axis Ilies with DEN-AN 5011-B, EN55022-B	1.4 60max 600max 750max 120max 160max 150max 180max 180max 60max g input again 13.2 - 16.5 (+ 14.4 - 15.6 20.0 - 29.0 rre) rre)) max	/ 96max / 150max / - / 240max / 320max / 300max / 300max / 360max from turning off the input voltag V and -V are simultaneously adjuste S (+V and -V CURRENT1)	

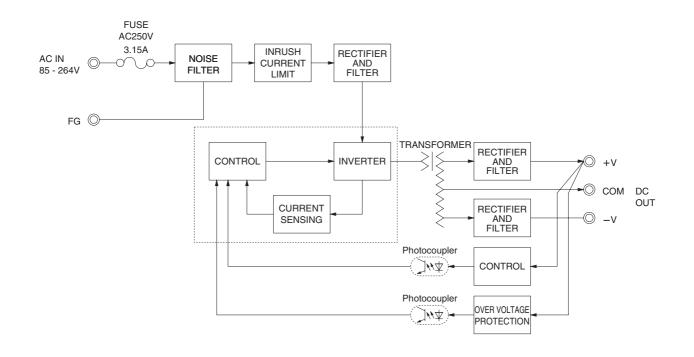
2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.
 3 Figures for 0 to rated current 1.The current not measured side is fixed.
 4 Figures for 0 to rated current 2.The current not measured

PBA/P

- *6 ±5,±12,±15 can be used as +10,+24 and +30.
 *7 When two or more units are used, they may not comply with the harmonic attenuator. Please contact us for details.
 *8 Derating is required.
 *9 Figures to rated current 1.

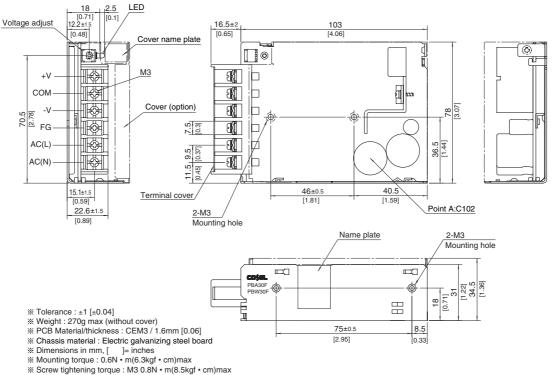
- * 11 Please contact us about dynamic load and input respon
 * 12 Please contact us about class C.
 * Parallel operation with other model is not possible.
 * Derating is required when operated with cover.
 * A sound may occur from power supply at peak loading. inp sp

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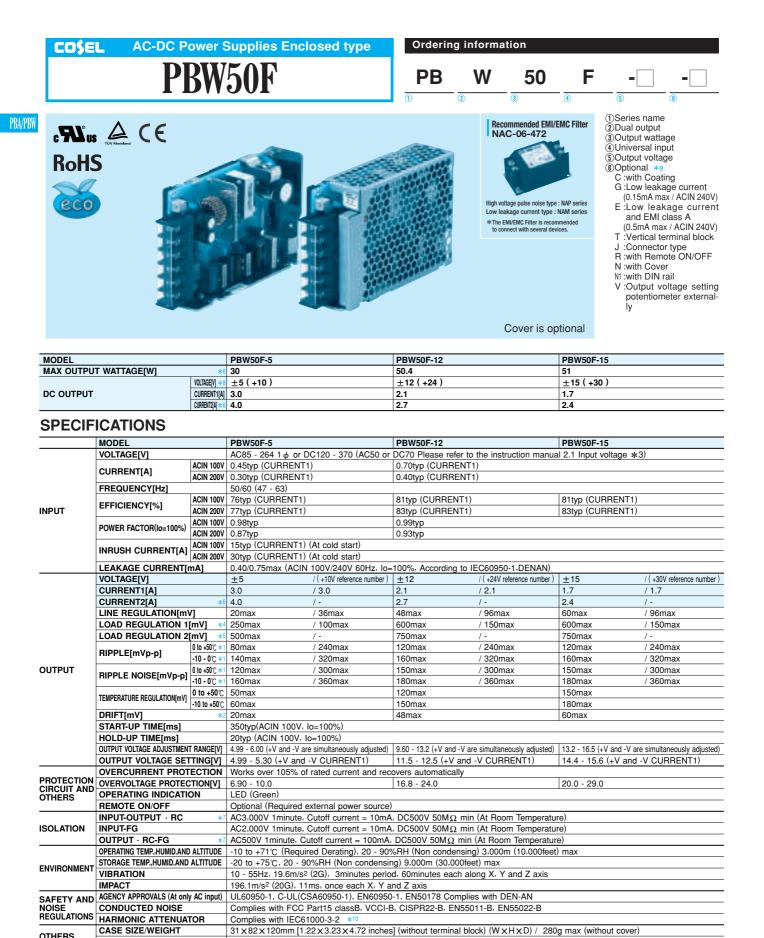


External view

% External size of option T,J,N,N1 and V is different from standard model and refer to 7 Option of instruction manual for details.



* Please connect safety ground to the unit in 2-M3 holes.



*2

*3

COOLING METHOD

after a half-hour warm-up at 25°C.

Derating is required

Measured by 20MHz oscilloscope or Ripple-Noise

meter(equivalent to KEISOKU-GIKEN : RM101).

Drift is the change in DC output for an eight hour period

Figures for 0 to rated current 1.The current not measured

Convection

*5

side is fixed.

input/output and FG. *8 $\pm 5, \pm 12, \pm 15$ can be used as +10,+24 and +30.

Figures for 0 to rated current 2. The current not measured

The sum of +power -power must be less than output power

RC is applied to remote ON/OFF option. RC is isolated with

Derating is required when operated with cover.
 A sound may occur from power supply at peak loading.

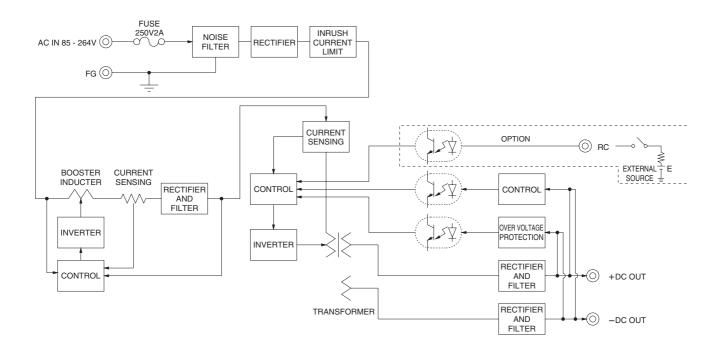
*10 Please contact us about class C.

option.

*9 Please contact us about safety approvals for the model with

Parallel operation with other model is not possible

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External view



