

AC/DC Power Modules



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TOF Series, 10 – 150 Watt

- = Compact Open Frame Design
- = Optional with Chassis and Cover
- = Screw Terminals for easy Installation
- = Universal Input 85–264 VAC
- = Output Voltage adjustable
- = EMI meets EN 55022, Class B and FCC, Level B
- = Compliance to EN 61000-3-2 (PFHC)
- = Short Circuit and Overvoltage Protection
- = Highest Industrial Quality Standard



Input voltage range:	85–264 VAC, 50/60 Hz 110–370 VDC (10...50 Watt single output models)
Line regulation:	±0.5% max.
Load regulation:	±0.5% max.
Output voltage adjustment:	±5% (10...50 Watt single output models), ±10% (75–150 Watt single output models) ±15% on output 1 ±2.5% on output 2 and 3 (15...30 Watt multi output models)
Ripple & Noise:	<1% Vout + 50mVpk-pk (20 MHz BW)
EMI suppression:	EN55022, class B and FCC part 15, level B IEC/EN61000-3-2, (75...150 Watt models)
EMC immunity:	EN61000-6-1
Output current limitation:	>105% of Inom.
Efficiency:	78% typ. (single output models), 70% typ. (multi output models)
Operating temperature:	–10°C ... +60°C above 50°C derating 2.5%/°C
Safety standards / approvals:	cUL/UL 60950, IEC/EN60950
Connection:	screw terminal block

Models			
Order code	Output power max.	Output voltage	Output current max.
TOF 10-05	10 Watt	5 VDC	2 A
TOF 10-12		12 VDC	0.9 A
TOF 10-15		15 VDC	0.7 A
TOF 10-24		24 VDC	0.5 A
TOF 15-05	15 Watt	5 VDC	3 A
TOF 15-12		12 VDC	1.3 A
TOF 15-15		15 VDC	1 A
TOF 15-24		24 VDC	0.7 A
TOF 30-05	30 Watt	5 VDC	6 A
TOF 30-12		12 VDC	2.5 A
TOF 30-15		15 VDC	2 A
TOF 30-24		24 VDC	1.3 A
TOF 50-05	50 Watt	5 VDC	10 A
TOF 50-12		12 VDC	4.3 A
TOF 50-15		15 VDC	3.5 A
TOF 50-24F		24 VDC	2.2 A (3.0)*
TOF 75-05	75 Watt	5 VDC	15 A
TOF 75-12		12 VDC	6.3 A
TOF 75-15		15 VDC	5 A
TOF 75-24F		24 VDC	3.2 A (4.5)*
TOF 100-05	100 Watt	5 VDC	20 A
TOF 100-12		12 VDC	8.5 A
TOF 100-15		15 VDC	6.7 A
TOF 100-24F		24 VDC	4.5 A (6.3)*
TOF 150-05	150 Watt	5 VDC	30 A
TOF 150-12		12 VDC	12.5 A
TOF 150-15		15 VDC	10 A
TOF 150-24F		24 VDC	6.5 A (9.1)*

* Peak current for max. 10 sec.

Triple Output Models			
Order code	Output power max.	*Output 1	*Output 2/3
TOF 15-0522T	15 Watt	5 VDC /2 A	±12 VDC /±0.5 A
TOF 15-0533T		5 VDC /2 A	±15 VDC /±0.45 A
TOF 30-0522T	30 Watt	5 VDC /4 A	±12 VDC /+1.2 A/-0.5 A
TOF 30-0533T		5 VDC /4 A	±15 VDC /+1.0 A/-0.5 A

*Total power should not exceed nominal power

Dimensions						
Type	Length L1	Width W1	Height H1	Length L2	Width W2	Height H2
TOF 10	105 (4.13)	50 (1.97)	20 (0.79)	125 (4.92)	57 (2.24)	32 (1.26)
TOF 15	125 (4.92)	50 (1.97)	20 (0.79)	145 (4.92)	57 (2.24)	32 (1.26)
TOF 30	133 (5.24)	55 (2.17)	25 (0.98)	163 (6.42)	65 (2.56)	36 (1.42)
TOF 50	195 (7.68)	55 (2.17)	25 (0.98)	225 (8.86)	65 (2.56)	36 (1.42)
TOF 75	222 (8.74)	55 (2.17)	26 (1.02)	252 (9.92)	65 (2.56)	42 (1.65)
TOF 100	222 (8.74)	62 (2.44)	32 (1.26)	252 (9.92)	72 (2.83)	45 (2.00)
TOF 150	222 (8.74)	75 (2.95)	37 (1.46)	252 (9.92)	85 (3.35)	51 (2.00)
TOF 15-T	127 (5.0)	50 (1.97)	22.6 (0.89)	147 (5.8)	57 (2.25)	38 (1.5)
TOF 30-T	140 (5.5)	65 (2.56)	22.6 (0.89)	160 (6.3)	72 (2.83)	38 (1.5)

Chassis/cover kit	
Order code	for models
TOL 10-MC	TOF 10-xx
TOL 15-MC	TOF 15-xx
TOL 30-MC	TOF 30-xx
TOL 50-MC	TOF 50-xx
TOL 75-MC	TOF 75-xx
TOL 100-MC	TOF 100-xx
TOL 150-MC	TOF 150-xx
TOF 15T-MC	TOF 15-xxxT
TOF 30T-MC	TOF 30-xxxT

