

NW7 SERIES

Bi-polar, 7mm Height

◆FEATURES

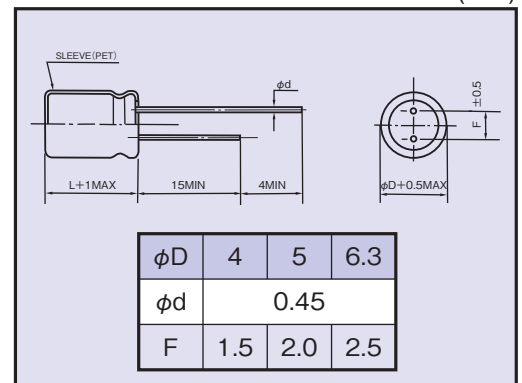
•RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	-40~+85°C						
Rated Voltage Range	6.3~50V.DC						
Capacitance Tolerance	±20% (20°C, 120Hz)						
Leakage Current(MAX)	I=0.05CV or 10μA whichever is greater. (After 5 minutes application of rated voltage)						
	I=(μA) Leakage Current	C=(μF) Rated Capacitance	V=(V) Rated Voltage				
(tanδ) Dissipation Factor(MAX)	Rated Voltage	6.3	10	16	25	35	50
	tanδ	0.26	0.22	0.18	0.17	0.15	0.14
Endurance	After applying rated voltage with rated ripple current for 1000hrs at 85°C, (The polarity shall be reversed every 500hrs.), the capacitors shall meet the following requirements.						
	Capacitance Change	Within ±25% of the initial value.					
	Dissipation Factor	Not more than 200% of the specified value.					
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage	6.3	10	16	25	35	50
	Z(-25°C)/Z(20°C)	4	3	3	2	2	2
	Z(-40°C)/Z(20°C)	10	8	6	4	4	4

◆DIMENSIONS (mm)



◆MULTIPLIER FOR RIPPLE CURRENT
Frequency coefficient

(Hz) Frequency	60(50)	120	500	1k	10k≤
0.1~1μF	0.50	1.00	1.20	1.30	1.50
2.2~4.7μF	0.65	1.00	1.20	1.30	1.50
10~47μF	0.80	1.00	1.20	1.30	1.50

◆OPTION

	Code
PET Sleeve	EFC

◆STANDARD SIZE

Size φD×L(mm), Ripple Current (mA r.m.s./85°C, 120Hz)

WV (V.DC)	Cap (μF)	Size (φD×L)	Rated Ripple Current
6.3 (0J)	22	5×7	32
	33	5×7	40
	47	6.3×7	56
10 (1A)	10	4×7	23
	22	5×7	35
	33	6.3×7	45
47	6.3×7	65	

WV (V.DC)	Cap (μF)	Size (φD×L)	Rated Ripple Current
16 (1C)	4.7	4×7	18
	10	4×7	25
	22	6.3×7	45
	33	6.3×7	60
	47	6.3×7	65
	25 (1E)	3.3	4×7
4.7		4×7	18
10		6.3×7	35
22		6.3×7	50

WV (V.DC)	Cap (μF)	Size (φD×L)	Rated Ripple Current
35 (1V)	2.2	4×7	13
	3.3	5×7	19
	4.7	5×7	22
	10	6.3×7	37
	50 (1H)	0.1	4×7
0.22		4×7	2
0.33		4×7	3
0.47		4×7	5
1		4×7	10
2.2		5×7	15
3.3		5×7	19
4.7		6.3×7	26

◆PART NUMBER

NW7 M D×L
 Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Lead Forming Case Size