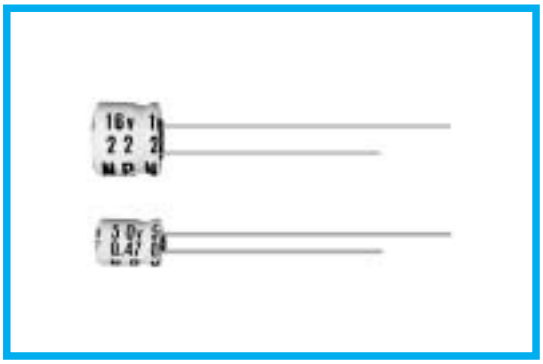
NW5 SERIES

Bi-polar, 5mm Height



◆FEATURES

- RoHS compliance.

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−40～+85℃
Rated Voltage Range	6.3～50V.DC
Capacitance Tolerance	±20%（20℃，120Hz）
Leakage Current(MAX)	I=0.05CV or 10 μA whichever is greater. (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
Dissipation Factor(MAX) (tan δ)	Rated Voltage (V): 6.3 / 10 / 16 / 25 / 35 / 50 tan δ: 0.26 / 0.22 / 0.20 / 0.20 / 0.20 / 0.20 （20℃，120Hz）
Endurance	After applying rated voltage with rated ripple current for 1000hrs at 85℃, (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. Leakage Current: Not more than the specified value.
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (V): 6.3 / 10 / 16 / 25 / 35 / 50 Z(−25℃)/Z(20℃): 6 / 4 / 4 / 3 / 2 / 2 Z(−40℃)/Z(20℃): 12 / 10 / 8 / 6 / 4 / 4 （120Hz）

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

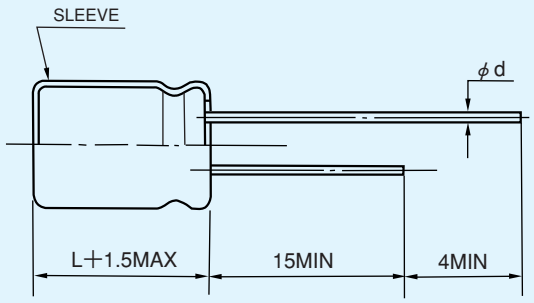
Frequency (Hz)		60(50)	120	500	1k	10k≦
Coefficient	0.1～1 μF	0.50	1.00	1.20	1.30	1.50
	2.2～4.7 μF	0.65	1.00	1.20	1.30	1.50
	10～47 μF	0.80	1.00	1.20	1.30	1.50

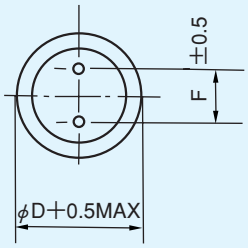
◆PART NUMBER

□□□ Rated Voltage / NW5 Series / □□□□□ Rated Capacitance / □ Capacitance Tolerance / □□□ Option / □□ Lead Forming / D×L Case Size

◆DIMENSIONS

(mm)





φD	4	5	6.3
φd	0.45		
F	1.5	2.0	2.5

◆STANDARD SIZE, RATED RIPPLE CURRENT

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

WV (V.DC) / Cap (μF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											4×5	1
0.22											4×5	2
0.33											4×5	2
0.47											4×5	3
1											4×5	5
2.2									4×5	9	5×5	10
3.3							5×5	10	5×5	11		
4.7					4×5	12	5×5	13	5×5	14		
10	4×5	14	5×5	18	5×5	20	6.3×5	21	6.3×5	24		
22	5×5	25	6.3×5	30	6.3×5	32						
33	6.3×5	35	6.3×5	37								
47	6.3×5	40										