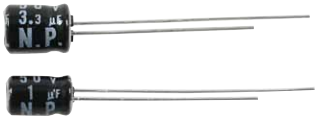
NW7 SERIES

Bi-polar, 7mm Height

RoHS compliance



◆SPECIFICATIONS

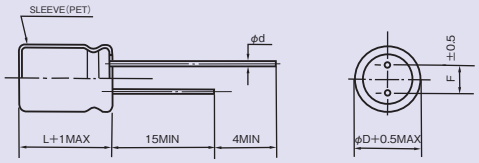
Items	Characteristics
Category Temperature Range	−40～+85℃
Rated Voltage Range	6.3～50Vdc
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=0.05CV or 10μA whichever is greater. (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V= Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	(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.
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)

Rated Voltage (Vdc)	6.3	10	16	25	35	50
tanδ	0.26	0.22	0.18	0.17	0.15	0.14

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.

Rated Voltage (Vdc)	6.3	10	16	25	35	50
Z(−25℃)/Z(20℃)	4	3	3	2	2	2
Z(−40℃)/Z(20℃)	10	8	6	4	4	4

◆DIMENSIONS (mm)



φD	4	5	6.3
φd	0.45		
F	1.5	2.0	2.5

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)		60(50)	120	500	1k	10k≦
Coefficient	0.33～1μF	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), Rated Ripple Current (mA r.m.s./85℃, 120Hz)

Vdc	Cap (μF)	Size (φDxL)	Rated Ripple Current
6.3	22	5×7	32
	33	5×7	40
	47	6.3×7	56
10	10	4×7	23
	22	5×7	35
	33	6.3×7	45
	47	6.3×7	65

Vdc	Cap (μF)	Size (φDxL)	Rated Ripple Current
16	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	3.3	4×7	15
	4.7	4×7	18
	10	6.3×7	35
	22	6.3×7	50

Vdc	Cap (μF)	Size (φDxL)	Rated Ripple Current
35	2.2	4×7	13
	3.3	5×7	19
	4.7	5×7	22
	10	6.3×7	37
50	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	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size