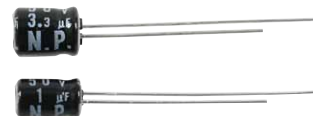


NW7 SERIES

Bi-polar, 7mm Height

◆FEATURES

•RoHS compliance.

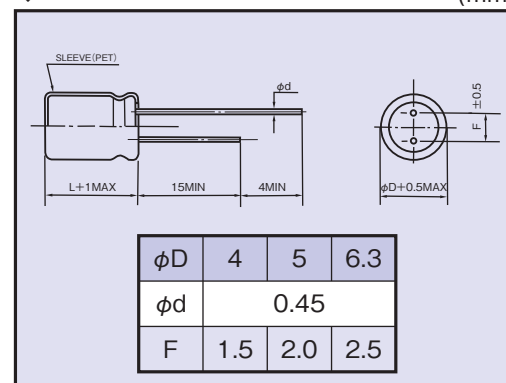


◆SPECIFICATIONS

Items	Characteristics																												
Category Temperature Range	-40~+85°C																												
Rated Voltage Range	6.3~50Vdc																												
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=Leakage Current(μA) C=Capacitance(μF) V= Rated Voltage(Vdc)																												
(tanδ) Dissipation Factor(MAX)	<table><tr><td>Rated Voltage (Vdc)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td rowspan="2">(20°C, 120Hz)</td></tr><tr><td>tanδ</td><td>0.26</td><td>0.22</td><td>0.18</td><td>0.17</td><td>0.15</td><td>0.14</td></tr></table>							Rated Voltage (Vdc)	6.3	10	16	25	35	50	(20°C, 120Hz)	tanδ	0.26	0.22	0.18	0.17	0.15	0.14							
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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. <table><tr><td>Capacitance Change</td><td colspan="6">Within ±25% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td colspan="6">Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td colspan="6">Not more than the specified value.</td></tr></table>							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.						
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Low Temperature Stability Impedance Ratio(MAX)	<table><tr><td>Rated Voltage (Vdc)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td rowspan="3">(120Hz)</td></tr><tr><td>Z(-25°C) / Z(20°C)</td><td>4</td><td>3</td><td>3</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z(-40°C) / Z(20°C)</td><td>10</td><td>8</td><td>6</td><td>4</td><td>4</td><td>4</td></tr></table>							Rated Voltage (Vdc)	6.3	10	16	25	35	50	(120Hz)	Z(-25°C) / Z(20°C)	4	3	3	2	2	2	Z(-40°C) / Z(20°C)	10	8	6	4	4	4
Rated Voltage (Vdc)	6.3	10	16	25	35	50	(120Hz)																						
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

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

◆標準品一覽表 / STANDARD SIZE

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

Vdc	Cap (μF)	Size (φD×L)	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 (φD×L)	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 (φD×L)	Rated Ripple Current
35	2.2	4×7	13
	3.3	5×7	19
	4.7	5×7	22
	10	6.3×7	37
	0.33	4×7	3
50	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
	10	6.3×7	37

◆PART NUMBER

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