



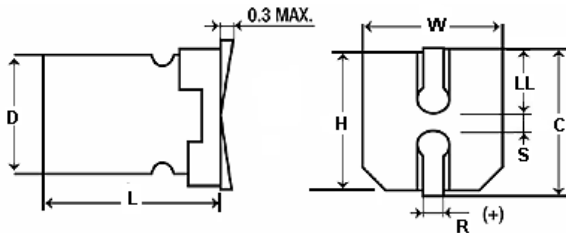
#### FEATURES

Small Size - Non/Bi-polar

#### APPLICATIONS

Bypass - Coupling - Filtering

<b>Operating Temperature Range</b>		<b>-40°C to +85°C</b>								
<b>Capacitance Tolerance</b>		<b>+20% at 120 Hz, 20°C</b>								
<b>Surge voltage</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>			
	<b>SVDC</b>	7.9	13	20	32	44	63			
<b>Dissipation Factor</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>			
	<b>tan δ</b>	.24	.2	.18	.18	.14	.14			
<b>Leakage current</b>		<b>2 Minutes</b>								
		<b>.03CV +6uA</b>								
<b>Low temperature stability</b> <b>Impedance ratio</b> <b>(120 Hz)</b>	<b>Rated WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>			
	<b>-25°C to +20°C</b>	4	3	2	2	2	2			
	<b>-40°C to +20°C</b>	8	6	4	4	3	3			
<b>Load Life</b>		<b>2000 hours at 85°C with rated WVDC and ripple current applied. Polarity reversed every 250 hours</b>								
		<b>Capacitance change</b>	≤20% of initial measured value							
		<b>Dissipation factor</b>	≤200% of maximum specified value							
		<b>Leakage current</b>	≥100% of maximum specified value							
<b>Shelf Life</b>		<b>1000 hours at 85°C with no voltage applied</b>								
		<b>Capacitance change</b>	≤20% of initial measured value							
		<b>Dissipation factor</b>	≤200% of maximum specified value							
		<b>Leakage current</b>	≥100% of maximum specified value							
<b>Resistance to soldering heat</b>		<b>Capacitors placed on a 250C hot plate for 30 seconds with their electrode terminations facing downward will fulfill the following conditions after being cooled to room temperature</b>								
		<b>Capacitance change</b>	≤10% of initial measured value							
		<b>Dissipation factor</b>	≤100% of maximum specified value							
		<b>Leakage current</b>	≥100% of maximum specified value							
<b>Ripple Current Multipliers</b>		<b>Frequency (Hz)</b>					<b>Temperature (°C)</b>			
		<b>50</b>	<b>120</b>	<b>400</b>	<b>1k</b>	<b>10k</b>	<b>100k</b>	<b>85</b>	<b>70</b>	<b>65</b>
		0.8	1.0	1.0	1.1	1.3	1.5	1.0	1.35	1.35



D±0.5	L	W±0.2	H±0.2	C±0.2	R	S±0.2	S±0.2
4	5.4 0.1/-0.2	4.3	4.3	5	0.5~0.8	1.8	1.0
5	5.4 0.1/-0.2	5.3	5.3	6	0.5~0.8	2.1	1.4
6.3	5.4 0.1/-0.2	6.6	6.6	7	0.5~0.8	2.4	2.2

# NPS

+85°C, Bi-Polar 1000 hours

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
0.1	50	<a href="#">104NPS050M</a>	2321.01	1	4x5.4
0.22	50	<a href="#">224NPS050M</a>	1055	2.3	4x5.4
0.33	50	<a href="#">334NPS050M</a>	703.34	3.5	4x5.4
0.47	50	<a href="#">474NPS050M</a>	493.83	5	4x5.4
1	50	<a href="#">105NPS050M</a>	232.1	10	4x5.4
2.2	50	<a href="#">225NPS050M</a>	105.5	15	5x5.4
2.2	35	<a href="#">225NPS035M</a>	105.5	8.4	4x5.4
3.3	50	<a href="#">335NPS050M</a>	70.33	18	5x5.4
4.7	50	<a href="#">475NPS050M</a>	49.38	23	6.3x5.4
4.7	35	<a href="#">475NPS035M</a>	49.38	23	5x5.4
4.7	16	<a href="#">475NPS016M</a>	63.49	12	4x5.4
10	35	<a href="#">106NPS035M</a>	23.21	30	6.3x5.4
10	10	<a href="#">106NPS010M</a>	33.157	17	4x5.4
10	16	<a href="#">106NPS016M</a>	29.842	25	5x5.4
22	16	<a href="#">226NPS016M</a>	13.564	39	6.3x5.4
22	6.3	<a href="#">226NPS6R3M</a>	18.086	31	5x5.4
33	16	<a href="#">336NPS016M</a>	9.043	57	6.3x5.4
47	6.3	<a href="#">476NPS6R3M</a>	8.466	47	6.3x5.4