



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

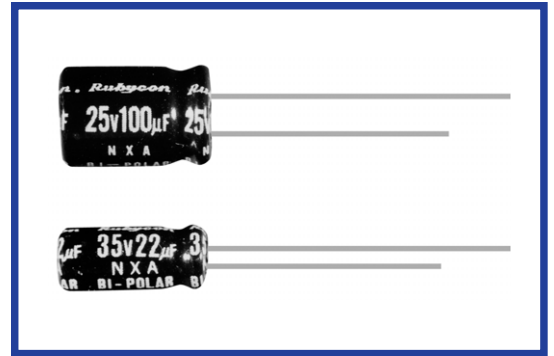
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NXA SERIES
105°C Bi-polar Miniaturized

 RoHS
compliance

◆ SPECIFICATIONS

Items	Characteristics																												
Category Temperature Range	-55~+105°C																												
Rated Voltage Range	6.3~50Vdc																												
Capacitance Tolerance	±20% (20°C, 120Hz)																												
Leakage Current(MAX)	I=0.03CV or 3µA 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)	<table border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>(20°C, 120Hz)</td> <td>0.25</td> <td>0.25</td> <td>0.20</td> <td>0.20</td> <td>0.15</td> <td>0.15</td> </tr> </tbody> </table>	Rated Voltage (Vdc)	6.3	10	16	25	35	50	(20°C, 120Hz)	0.25	0.25	0.20	0.20	0.15	0.15														
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(20°C, 120Hz)	0.25	0.25	0.20	0.20	0.15	0.15																							
Endurance	After applying rated voltage with rated ripple current for 1000 hours at 105°C, (The polarity shall be reversed every 250hrs.), the capacitors shall meet the following requirements. <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±25% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>(120Hz)</td> <td colspan="6"></td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> </tbody> </table>	Rated Voltage (Vdc)	6.3	10	16	25	35	50	(120Hz)							Z(-25°C)/Z(20°C)	4	3	2	2	2	2	Z(-40°C)/Z(20°C)	8	6	4	4	4	4
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Z(-40°C)/Z(20°C)	8	6	4	4	4	4																							

◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)	60(50)	120	500	1k	10k≤
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
100~1000µF	0.80	1.00	1.10	1.15	1.20

◆ OPTION

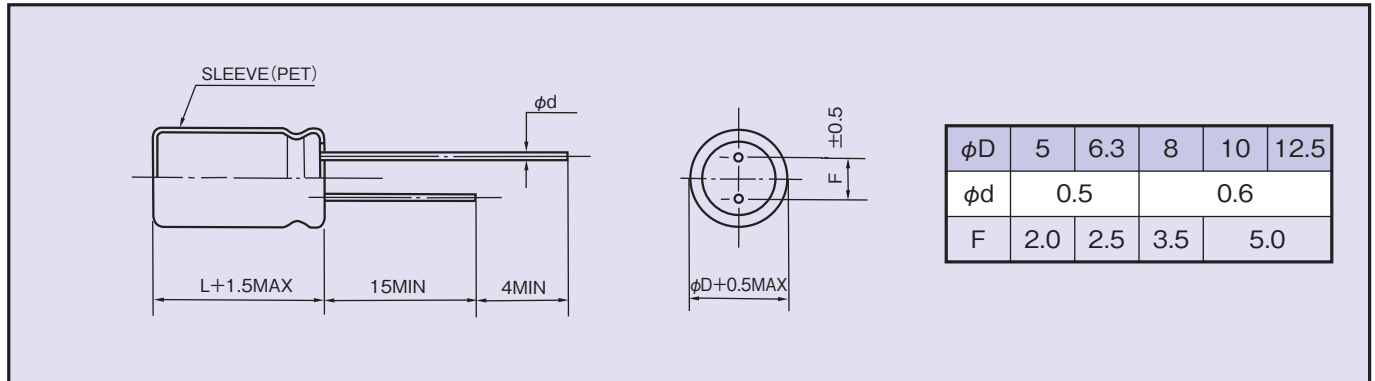
	Code
PET Sleeve	EFC

◆ PART NUMBER

□□□	NXA	□□□□□	M	□□□	□□	DXL
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆ **DIMENSIONS**

(mm)



◆ **STANDARD SIZE**

Size $\phi D \times L$ (mm), Rated Ripple Current (mA r.m.s./105°C, 120Hz)

Cap(μF) \ Vdc	6.3		10		16		25	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
33							5×11	49
47					5×11	54	6.3×11	68
100	5×11	63	6.3×11	68	6.3×11	84	8×11.5	111
220	6.3×11	68	8×11.5	135	8×11.5	137	10×12.5	182
330	8×11.5	135	8×11.5	147	10×12.5	202	10×16	247
470	8×11.5	161	10×12.5	212	10×16	262	10×20	333
1000	10×16	297	10×20	378	12.5×20	472		

Cap(μF) \ Vdc	35		50	
	Size	Ripple	Size	Ripple
1			5×11	12
2.2			5×11	14
3.3			5×11	19
4.7			5×11	23
10			5×11	30
22	5×11	44	6.3×11	44
33	6.3×11	56	6.3×11	56
47	6.3×11	68	8×11.5	78
100	10×12.5	142	10×16	149
220	10×20	256	12.5×20	277
330	12.5×20	343	12.5×25	364
470	12.5×25	402		