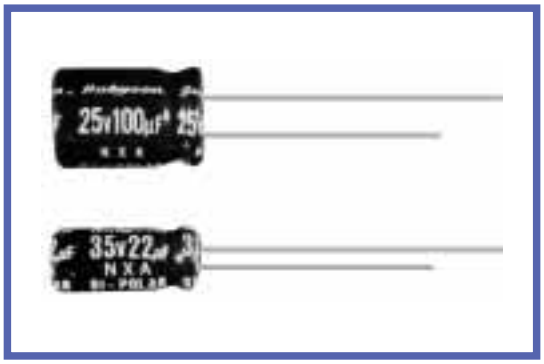
NXA SERIES

105˚C Bi-polar Miniaturized



♦SPECIFICATIONS

Items	Characteristics
Operating Temperature Range	-55~+105˚C
Rated Voltage Range	6.3~50V.DC
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=Nominal Capacitance(μF) V=Leakage Current(V)
Dissipation Factor(MAX)	(20˚C,120Hz)
Load Life	After applying rated voltage with max ripple current for 1000hrs at 105˚C, (The polarity shall be reversed every 250hrs.),the capacitors shall meet the following requirements.
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)

Rated Voltage (V)	6.3	10	16	25	35	50
tanδ	0.25	0.25	0.20	0.20	0.15	0.15

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 (V)	6.3	10	16	25	35	50
Z(-25˚C)/Z(20˚C)	4	3	2	2	2	2
Z(-40˚C)/Z(20˚C)	8	6	4	4	4	4

♦MULTIPLIER FOR RIPPLE CURRENT

(1)Frequency coefficient

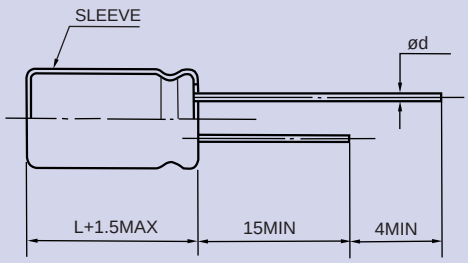
Frequency(Hz)		60(50)	120	500	1k	10k≦
Coefficient	0.47~47μF	0.8	1.0	1.20	1.30	1.50
	100~1000μF	0.8	1.0	1.10	1.15	1.20

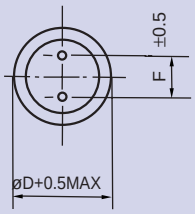
(2)Temperature coefficient

Ambient Temperature (˚C)	105	85	65≧
Coefficient	1.0	1.7	2.1

♦DIMENSIONS

(mm)





øD	5	6.3	8	10	12.5
ød	0.5		0.6		
F	2.0	2.5	3.5	5.0	

♦STANDARD SIZE, MAX. PERMISSIBLE RIPPLE CURRENT

Size øDxL(mm), Ripple Current (mA r.m.s./105˚C, 120Hz)

WV(V.DC) / Cap(µF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
33							5x11	49
47					5x11	54	6.3x11	68
100	5x11	63	6.3x11	68	6.3x11	84	8x11.5	111
220	6.3x11	68	8x11.5	135	8x11.5	137	10x12.5	182
330	8x11.5	135	8x11.5	147	10x12.5	202	10x16	247
470	8x11.5	161	10x12.5	212	10x16	262	10x20	333
1000	10x16	297	10x20	378	12.5x20	472		

WV(V.DC) / Cap(µF)	35 (1V)		50 (1H)	
	Size	Ripple	Size	Ripple
0.47			5x11	7
1			5x11	12
2.2			5x11	14
3.3			5x11	19
4.7			5x11	23
10			5x11	30
22	5x11	44	6.3x11	44
33	6.3x11	56	6.3x11	56
47	6.3x11	68	8x11.5	78
100	10x12.5	142	10x16	149
220	10x20	256	12.5x20	277
330	12.5x20	343	12.5x25	364
470	12.5x25	402		