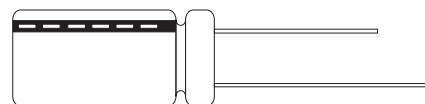


FEATURES

- 105°C, 2000 hours assured, standard bi-polar series.
- Suitable for use in circuits which have a reversed or unknown polarity.
- RoHS Compliant



SPECIFICATIONS

Item	Performance																														
Operating Temp.	-40° ~ 105°C																														
Capacitance Tolerance	± 20% (120Hz, 20°C)																														
Leakage Current (at 20°C)	Rated Voltage	≤ 100V					> 100V																								
	Time	After 2 minutes					After 5 minutes																								
	Leakage Current	I=0.03CV or 4 (μA) whichever is greater					CV ≤ 1000 I=0.03CV +15 (μA)			CV > 1000 I=0.02CV +25 (μA)																					
	Where, C = rated capacitance in μF, V = rated DC working voltage in V.																														
Dissipation Factor Tan δ at 120 Hz, 20°C	Rated Voltage	6.3	10	16	25	35	50	63	100	160	200	250																			
	Tan δ (max)	0.25	0.22	0.18	0.16	0.14	0.12	0.10	0.09	0.15	0.15	0.20																			
When the capacitance exceeds 1000 μF, 0.02 shall be added every 1000 μF increase																															
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.																														
	Rated Voltage	6.3	10	16	25	35	50	63	100	160	200	250																			
	Impedance Ratio	Z(-25°C)/Z(+20°C)		4		3		3		2		2		2		2															
Z(-40°C)/Z(+20°C)												8		6		6		4		4		3		3		4		4		4	
Load Life Test at 20°C (after rated voltage is applied for 2000 hours at 105°C)	Test Time	2000 Hrs					Shelf Life Test at 20°C					Test Time		1000 Hrs																	
	Capacitance Change	≤ ± 20%					after rated voltage applied for 1000 hours					Capacitance Change		≤ ± 20%																	
	Dissipation Factor	Less than 200% of specific value					at 105°C)					Dissipation Factor		Less than 200% of specified value																	
	Leakage Current	Within specified values					at 105°C)					Leakage Current		Within specified value																	
Standards	Satisfies Characteristic W of JIS C 5141																														

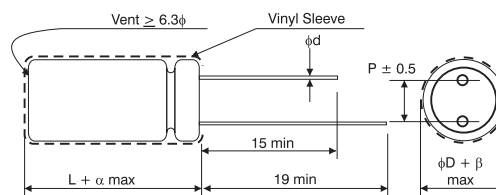
DIMENSIONS & PERMISSABLE RIPPLE CURRENT

Dimension: D×L(mm); Ripple Current: mA/RMS at 120Hz 105°C

VDC F Code	6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)		63V(1JH)		100V(2A)		160V(2C)		200V(2D)		250V(2E)		
	DXL	mA	DXL	mA	DXL	mA	DXL	mA	DXL	m	DXL	mA	DXL	m	DXL	m	DXL	m	DXL	m	DXL	m	
0.1	0R1																						
0.22	R22																						
0.33	R33																						
0.47	R47																						
1	010										5 x 11	10	5 x 11	11	5 x 11	12	6.3 x 11	11	8 x 11.5	12	8 x 11.5	13	
2.2	2R2										5 x 11	15	5 x 11	16	6.3 x 11	20	8 x 11.5	18	8 x 11.5	22	10 x 12.5	26	
3.3	3R3										5 x 11	18	5 x 11	20	6.3 x 11	25	8 x 11.5	26	10 x 12.5	30	10 x 16	37	
4.7	4R7								5 x 11	21	5 x 11	22	6.3 x 11	24	6.3 x 11	30	10 x 12.5	31	10 x 16	37	10 x 20	50	
10	100				5 x 11	27	5 x 11	27	5 x 11	30	6.3 x 11	37	6.3 x 11	40	8 x 11.5	50	10 x 16	60	10 x 20	66	10 x 20	79	
22	220	5 x 11	34	5 x 11	34	5 x 11	40	6.3 x 11	46	6.3 x 11	51	8 x 11.5	63	8 x 11.5	68	10 x 16	97	12.5 x 20	117	12.5 x 20	117	12.5 x 25	138
33	330	5 x 11	45	5 x 11	45	5 x 11	49	6.3 x 11	56	8 x 11.5	72	8 x 11.5	77	10 x 12.5	98	10 x 20	140	12.5 x 20	143	12.5 x 25	158	16 x 25	169
47	470	5 x 11	54	5 x 11	54	6.3 x 11	67	6.3 x 11	67	8 x 11.5	86	10 x 12.5	105	10 x 16	130	12.5 x 20	170	12.5 x 25	188				
100	101	6.3 x 11	90	6.3 x 11	90	8 x 11.5	110	8 x 11.5	110	10 x 16	160	10 x 20	190	12.5 x 20	225	16 x 25	300						
220	221	8 x 11.5	150	8 x 11.5	150	10 x 12.5	195	10 x 16	215	12.5 x 20	290	12.5 x 25	340	16 x 25	405	16 x 35.5	510						
330	331	8 x 11.5	185	10 x 16	240	10 x 16	265	12.5 x 20	320	12.5 x 20	350	16 x 25	460	16 x 31.5	535								
470	471	10 x 12.5	260	10 x 16	290	10 x 20	345	12.5 x 25	380	16 x 25	465	16 x 25	590	18 x 35.5	680								
1000	102	10 x 20	460	12.5 x 20	510	12.5 x 25	605	16 x 25	670	16 x 31.5	805												
2200	222	12.5 x 25	820	16 x 25	940	16 x 31.5	1070	18 x 35.5	1140														

LEAD SPACING AND DIAMETER

D	5	6.3	8	10	12.5	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
d	0.5		0.6			0.8	
α	1.0			1.5			
β	0.5						



PART NUMBER EXAMPLE

RNG 471 M 0J BK - 100125