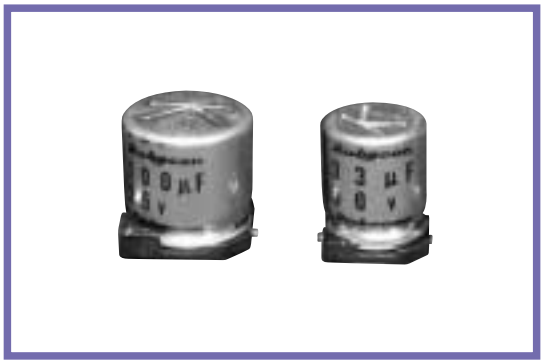
RXV SERIES UPGRADE

125°C High Temperature.



♦FEATURES

- Load Life : 125°C 1000 hours.
- Reflow soldering is available.
- Available for high density mounting.

♦SPECIFICATIONS

Items	Characteristics
Category Temperature Range	-40~+125°C
Rated Voltage Range	6.3~50V.DC
Capacitance Tolerance	±20%(20°C,120Hz)
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
Dissipation Factor(MAX)	(20°C,120Hz)
Endurance	After applying rated voltage with rated ripple current for 1000 hrs at 125°C, the capacitors shall meet the following requirements.
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)

Dissipation Factor(MAX)

Rated Voltage (V)		6.3	10	16	25	35	50
tanδ	φ4~φ6.3	0.35	0.26	0.20	0.16	0.14	-
	φ8,φ10	-	0.35	0.26	0.20	0.17	0.15

Endurance

Capacitance Change	Within ±30% of the initial value.
Dissipation Factor	Not more than 300% of the specified value.
Leakage Current	Not more than the specified value.

Low Temperature Stability Impedance Ratio(MAX)

<φ4~φ6.3>

Rated Voltage (V)	6.3	10	16	25	35
Z(-25°C)/Z(20°C)	4	3	3	2	2
Z(-40°C)/Z(20°C)	10	8	6	4	4

<φ8,φ10>

Rated Voltage (V)	10	16	25	35	50
Z(-25°C)/Z(20°C)	8	8	4	3	3

♦MULTIPLIER FOR RIPPLE CURRENT

(1)Frequency coefficient

Frequency (Hz)		60(50)	120	500	1k	10k≦
Coefficient	4.7~68μF	0.8	1.0	1.20	1.30	1.50
	100~470μF	0.8	1.0	1.10	1.15	1.20

(2)Temperature coefficient

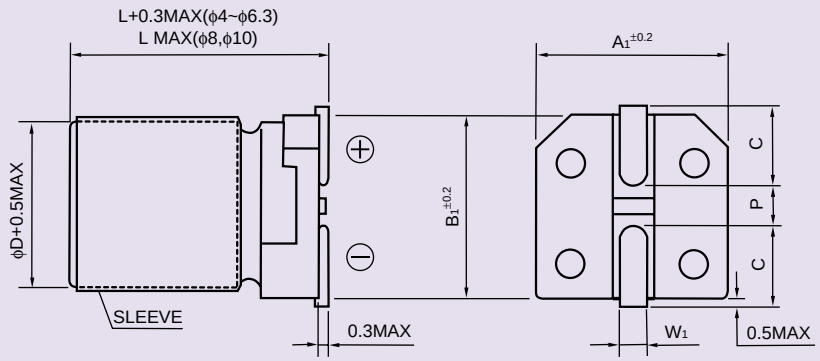
Ambient Temperature (°C)	125	105	85≧
Coefficient	1.0	1.7	2.1

♦PART NUMBER

□□□ Rated Voltage | RXV Series | □□□□□ Rated Capacitance | □ Capacitance Tolerance | □□□ Option | DxL Case Size

♦DIMENSIONS

(mm)



φD	L	A1	B1	C	W1	P
4	7	4.3	4.3	2.0	0.5~0.8	0.8
5	7	5.3	5.3	2.2	0.5~0.8	1.3
6.3	7	6.6	6.6	2.7	0.5~0.8	1.8
8	10.5	8.3	8.3	2.9	0.8~1.1	3.1
10	10.5	10.3	10.3	3.2	0.8~1.1	4.5

♦STANDARD SIZE, RATED RIPPLE CURRENT

Size φDxL(mm), Ripple Current (mA r.m.s./125°C, 120Hz)

WV(V.DC) / Cap(μF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
4.7									4x7	14		
6.8							4x7	16				
10					4x7	18			5x7	22	8x10.5	35
15			4x7	19			5x7	24				
22	4x7	20			5x7	28			6.3x7	42	8x10.5	50
33			5x7	31			6.3x7	43	8x10.5	60	8x10.5	60
											10x10.5	65
47	5x7	33			6.3x7	48	8x10.5	70	8x10.5	70	10x10.5	80
									10x10.5	80		
68			6.3x7	50								
100	6.3x7	51			8x10.5	95	8x10.5	95	10x10.5	110		
							10x10.5	110				
220			8x10.5	120	8x10.5	125	10x10.5	145				
					10x10.5	140						
330			8x10.5	135	10x10.5	165						
			10x10.5	160								
470			10x10.5	175								