

RV Series

Specifications

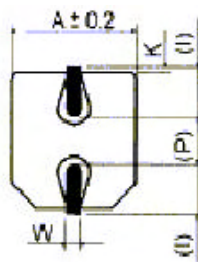
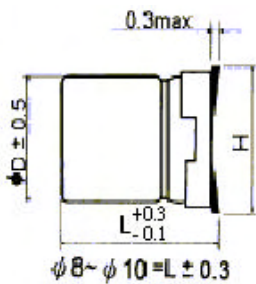
Features
 Lifetime: 85, 1000hrs
 Non-polarized
 Low profile vertical chip
 5.5mm height (6.3)

Recommended Applications
 AV(TV, Video, Audio)
 Monitor/Computer
 OA/HA/Communication
 Reversed polarity circuit



Items	Characteristics						
Capacitance Tolerance	$\pm 20\%$ (M) (120Hz, 20)						
Rated Voltage Range (WV)	6.3~50 VDC						
Operating Temperature Range	-40 ~ +85						
Surge Voltage (V) (20)	WV	6.3	10	16	25	35	50
	SV	8	13	20	32	44	63
Leakage Current (Max) (20)	I 0.01CV or 3 μ A whichever is greater (After rated voltage applied for 2 minutes)						
	I= Leakage Current (μ A) C= Nominal Capacitance (μ F) V= Rated Voltage (V)						
Dissipation Factor (Max) (tan) (120Hz, 20)	Shown in the table of standard rating						
Low Temperature Stability Impedance Ratio (Max)	WV	6.3	10	16	25	35	50
	Z(120Hz)						
	Z(-25) / Z(20)	4	3	2	2	2	2
Load Life	Z(-40) / Z(20)	8	6	4	4	3	3
	After applying rated voltage for 1000 hours at 85 , the capacitor shall meet the following requirements. (The polarity shall be reversed every 250 hours)						
	Capacitance Change	Within $\pm 20\%$ of the initial value					
Dissipation Factor	Not more than 200% of the specified value						
Leakage Current	Not more than the specified value						
Shelf Life	After placed at 85 without voltage applied for 1000 hours, the capacitor shall meet the same requirement as load life .						
Applicable standards	Refer to JIS C 5101						

Dimensions (mm)



() : Reference size

D	L	A	H	I	W	P	K
4.0	5.4	4.3	5.5 Max	1.8	0.65 \pm 0.1	1.0 \pm 0.2	0.35 $\begin{matrix} +0.15 \\ -0.20 \end{matrix}$
5.0	5.4	5.3	6.5 Max	2.2	0.65 \pm 0.1	1.5 \pm 0.2	0.35 $\begin{matrix} +0.15 \\ -0.20 \end{matrix}$
6.3	5.4	6.6	7.8 Max	2.6	0.65 \pm 0.1	1.8 \pm 0.2	0.35 $\begin{matrix} +0.15 \\ -0.20 \end{matrix}$

Multiplier for Ripple Current

Frequency coefficient

Frequency (Hz)	60	120	1K	10K
Coefficient	0.85	1.00	1.10	1.20

Temperature coefficient

Ambient Temperature ()	50	70	85
Coefficient	1.36	1.25	1.00

Case Size / tan / Max Ripple Current / ESR

CASE SIZE (D_xL(mm)) / MAX DISSIPATION FACTOR (tan δ / 120Hz,20 °) / MAX PERMISSIBLE RIPPLE CURRENT (RC(mArms) / 120Hz, 85 °) / MAX EQUIVALENT SERIES RESISTANCE (ESR(Ω) / 120Hz,20 °)

WV	6.3				10				16				25			
μF \ SPEC	D _x L	tan	RC	ESR	D _x L	tan	RC	ESR	D _x L	tan	RC	ESR	D _x L	tan	RC	ESR
2.2																
3.3													4x5.4	0.28	12	100
4.7									4x5.4	0.32	20	70.5	5x5.4	0.28	21	70.5
10					4x5.4	0.40	25	39.7	5x5.4	0.32	25	33.1	6.3x5.4	0.28	28	33.1
22	5x5.4	0.52	29	21.1	6.3x5.4	0.40	39	18.0	6.3x5.4	0.32	39	15.0				
33	6.3x5.4	0.52	43	12.0	6.3x5.4	0.40	43	14.0								
47	6.3x5.4	0.52	46	9.87												

WV	35				50			
μF \ SPEC	D _x L	tan	RC	ESR	D _x L	tan	RC	ESR
0.22					4x5.4	0.24	2	1507
0.33					4x5.4	0.24	3	1004
0.47					4x5.4	0.24	5	705
1					4x5.4	0.24	10	331
2.2	4x5.4	0.24	12	150	5x5.4	0.24	16	150
3.3	5x5.4	0.24	21	100	5x5.4	0.24	21	100
4.7	5x5.4	0.24	22	70.5	6.3x5.4	0.24	31	70.5
10	6.3x5.4	0.24	30	33.1				