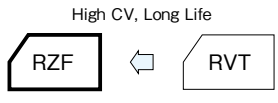


Chip Type, 125°C Use, High CV, Long Life Capacitors

- GREEN CAP
- SMD
- Low ESR
- 125°C 4000hours
- Anti-cleaning solvent

- Compatible with surface mounting.
- Supplied with carrier taping.
- Guaranteed 4000 hours at 125°C. (φ6.3 : 2000 hours)



Marking color : Black print

Specifications

Item	Performance							
Category temperature range (°C)	-40 to +125							
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)							
Leakage current (μA)	Less than 0.01CV or 3 whichever is larger (after 2 minutes) C : Rated capacitance (μF) ; V : Rated voltage (V) (20°C)							
Tangent of loss angle (tanδ)	Rated voltage (V)	10	16	25	35	50	63	80
	tanδ (max.)	0.24	0.20	0.16	0.14	0.14	0.12	0.12
Characteristics at high and low temperature	Rated voltage (V)	10	16	25	35	50	63	80
		Impedance ratio (max.)	Z-25°C/Z+20°C	3	2	2	2	2
	Z-40°C/Z+20°C	6	4	4	3	3	3	3
Endurance (125°C)	Test time	4000 hours (φ6.3: 2000 hours)						
	Leakage current	The initial specified value or less						
	Percentage of capacitance change	Within ±30% of initial value						
	Tangent of the loss angle	300% or less of the initial specified value						
Shelf life (125°C)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4							
Applicable standards	JIS C5101-1 1998, -18 1999 (IEC 60384-1 1992, -18 1993)							

Outline Drawing

Unit : mm

Standard Type

For Vibration Resistance Type (φ8X10, φ10X10)

() : Reference size

φD	L	A	B	C	W	P	Casing symbol
6.3	5.8±0.3	6.6	6.6	2.7	0.5 to 0.8	2.0	F61
6.3	7.7±0.3	6.6	6.6	2.7	0.5 to 0.8	2.0	F80
8	10±0.5	8.4	8.4	3.0	0.7 to 1.1	3.1	G10
10	10±0.5	10.4	10.4	3.3	0.7 to 1.1	4.7	H10

- Soldering conditions are described on page 15.
- Land pattern size are described on page 13.
- The taping specifications are described on page 16.

Coefficient of Frequency for Rated Ripple Current

Frequency (Hz)	120	1k	10k	100k
Rated voltage(V)				
10 to 80	0.77	0.88	0.96	1

Part numbering system

Standard Type (example : 35V100μF)

RZF	—	35	V	101	M	F80	U	—	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping symbol

For Vibration Resistance Type (example : 25V330μF)

RMF	—	25	V	331	M	H10	U	—	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping symbol

Standard Ratings

Rated voltage (V) Rated capacitance (µF) Item	10				16				25			
	Case	ESR (Ω max.)		Rated ripple current	Case	ESR (Ω max.)		Rated ripple current	Case	ESR (Ω max.)		Rated ripple current
	φD × L (mm)	20°C	-40°C	(mA _{rms})	φD × L (mm)	20°C	-40°C	(mA _{rms})	φD × L (mm)	20°C	-40°C	(mA _{rms})
47	—	—	—	—	6.3 × 5.8	1.2	22	110	6.3 × 5.8	1.2	22	110
100	6.3 × 5.8	1.2	22	110	6.3 × 5.8	1.2	22	110	6.3 × 7.7	0.60	12	220
220	6.3 × 7.7	0.60	12	220	6.3 × 7.7	0.60	12	220	8 × 10	0.30	5.5	296
330	8 × 10	0.30	5.5	296	8 × 10	0.30	5.5	296	10 × 10	0.20	3.6	440
470	8 × 10	0.30	5.5	296	10 × 10	0.20	3.6	440	—	—	—	—
680	10 × 10	0.20	3.6	440	10 × 10	0.20	3.6	440	—	—	—	—

Rated voltage (V) Rated capacitance (µF) Item	35				50				63			
	Case	ESR (Ω max.)		Rated ripple current	Case	ESR (Ω max.)		Rated ripple current	Case	ESR (Ω max.)		Rated ripple current
	φD × L (mm)	20°C	-40°C	(mA _{rms})	φD × L (mm)	20°C	-40°C	(mA _{rms})	φD × L (mm)	20°C	-40°C	(mA _{rms})
22	—	—	—	—	6.3 × 5.8	3.2	48	58	6.3 × 7.7	1.8	36	80
33	—	—	—	—	6.3 × 5.8	3.2	48	58	—	—	—	—
47	6.3 × 5.8	1.2	22	110	6.3 × 7.7	1.2	18	95	8 × 10	0.70	14	140
100	6.3 × 7.7	0.60	12	220	8 × 10	0.50	7.5	180	10 × 10	0.50	10	200
220	8 × 10	0.30	5.5	296	10 × 10	0.30	4.5	280	—	—	—	—
330	10 × 10	0.20	3.6	440	—	—	—	—	—	—	—	—

Rated voltage (V) Rated capacitance (µF) Item	80			
	Case	ESR (Ω max.)		Rated ripple current
	φD × L (mm)	20°C	-40°C	(mA _{rms})
47	8 × 10	0.75	15	110
68	10 × 10	0.55	11	150

(Note) Rated ripple current : 125°C , 100kHz
ESR : 100kHz