

Chip Type, 125°C Use, Low ESR, Long Life Capacitors

GREEN CAP

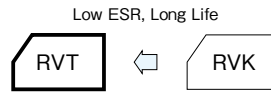
SMD

Low ESR

125°C
5000hours

Anti-cleaning solvent

- Compatible with surface mounting.
 - Supplied with carrier taping.
 - Guaranteed 1000 to 5000 hours at 125°C.
- (See table below)



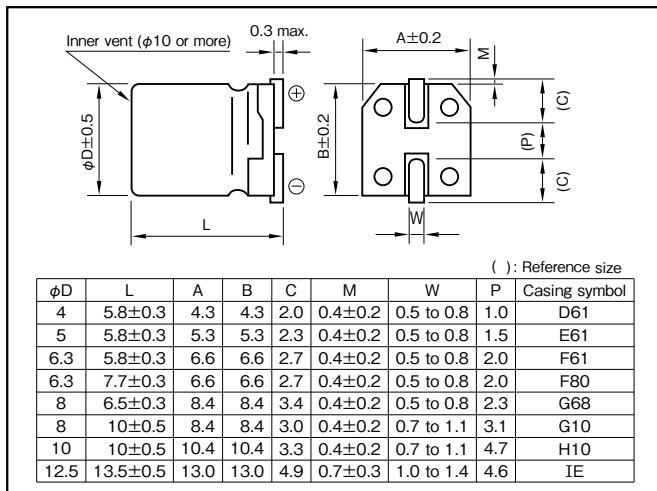
Marking color : Black print

Specifications

Item	Performance
Category temperature range (°C)	-40 to +125
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)
Leakage current (µA) (max.)	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)
	tanδ (max.)
Characteristics at high and low temperature	Rated voltage (V)
	Impedance Ratio (max.)
Endurance (125°C) (Applied ripple current)	Test time
	Leakage current
	Capacitance change
	Tangent of loss angle
Shelf life (125°C)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1
Applicable standards	JIS C5101 - 1, - 18 (IEC 60384 - 1, - 18)

Outline Drawing

Unit : mm



Refer to individual page.
(Soldering conditions, Land pattern size, The taping specifications)

Coefficient of Frequency for Rated Ripple Current

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

Part numbering system

φ 10 or less (example : 16V100µF)

RVT	—	35	V	221	M	H10	U	—	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping symbol

50V or less : φ 12.5 (example : 35V330µF)

RVT	—	35	V	331	M	IE	T	—	R5
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping symbol

63V to 100V : φ 12.5 (example : 63V100µF)

RVT	—	63	V	101	M	IE	KT	—	R5
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping symbol

*In the case of "for High Temperature Reflow" type, a series name is "RZC". (φ 4 to φ 10)
*If "For Vibration Resistance" type is required, please see the series RTT.

Standard Ratings

Rated voltage(V) Rated capacitance(μF)	Item	10				16				25			
		Case φD×L (mm)	ESR(Ω max.)		Rated ripple current (mA _{rms})	Case φD×L (mm)	ESR(Ω max.)		Rated ripple current (mA _{rms})	Case φD×L (mm)	ESR(Ω max.)		Rated ripple current (mA _{rms})
			20°C	-40°C			20°C	-40°C			20°C	-40°C	
10	—	—	—	—	4×5.8	3.0	45	50	5×5.8	1.5	23	81	
22	4×5.8	3.0	45	50	5×5.8	1.5	23	81	6.3×5.8	1.0	15	114	
33	5×5.8	1.5	23	81	6.3×5.8	1.0	15	114	6.3×5.8	1.0	15	114	
47	—	—	—	—	6.3×5.8	1.0	15	114	6.3×7.7	0.60	9.0	165	
									8×6.5	0.60	9.0	180	
100	—	—	—	—	—	—	—	—	6.3×7.7	0.60	9.0	165	
									8×6.5	0.60	9.0	180	
									8×10	0.20	2.0	340	
220	6.3×7.7	0.60	9.0	165	8×10	0.20	2.0	340	8×10	0.20	2.0	340	
	8×6.5	0.60	9.0	180	10×10	0.15	1.5	500	10×10	0.15	1.5	500	
330	8×10	0.20	2.0	340	10×10	0.15	1.5	500	10×10	0.15	1.5	500	
	10×10	0.15	1.5	500					12.5×13.5	0.086	1.29	750	
470	10×10	0.15	1.5	500	12.5×13.5	0.086	1.29	750	12.5×13.5	0.086	1.29	750	
680	12.5×13.5	0.086	1.29	750	12.5×13.5	0.086	1.29	750	—	—	—	—	
1000	12.5×13.5	0.086	1.29	750	—	—	—	—	—	—	—	—	

Rated voltage(V) Rated capacitance(μF)	Item	35				50				63			
		Case φD×L (mm)	ESR(Ω max.)		Rated ripple current (mA _{rms})	Case φD×L (mm)	ESR(Ω max.)		Rated ripple current (mA _{rms})	Case φD×L (mm)	ESR(Ω max.)		Rated ripple current (mA _{rms})
			20°C	-40°C			20°C	-40°C			20°C	-40°C	
4.7	4×5.8	3.0	45	50	—	—	—	—	—	—	—	—	
10	5×5.8	1.5	23	81	6.3×5.8	3.2	48	58	6.3×7.7	1.8	36	95	
	6.3×5.8	1.0	15	114									
22	6.3×5.8	1.0	15	114	6.3×7.7	1.2	18	95	8×10	0.70	14	140	
33	6.3×7.7	0.60	9.0	165	6.3×7.7	1.2	18	95	8×10	0.70	14	140	
	8×6.5	0.60	9.0	180	8×10	0.50	7.5	180	10×10	0.50	10	200	
47	6.3×7.7	0.60	9.0	165	8×10	0.50	7.5	180	8×10	0.70	14	140	
	8×6.5	0.60	9.0	180									
	8×10	0.20	2.0	340									
100	8×10	0.20	2.0	340	10×10	0.30	4.5	280	12.5×13.5	0.25	3.75	400	
	10×10	0.15	1.5	500	12.5×13.5	0.18	2.7	550					
220	10×10	0.15	1.5	500	12.5×13.5	0.18	2.7	550	—	—	—	—	
330	12.5×13.5	0.086	1.29	750	—	—	—	—	—	—	—	—	

Rated voltage(V) Rated capacitance(μF)	Item	80				100			
		Case φD×L (mm)	ESR(Ω max.)		Rated ripple current (mA _{rms})	Case φD×L (mm)	ESR(Ω max.)		Rated ripple current (mA _{rms})
			20°C	-40°C			20°C	-40°C	
10	8×10	0.75	15	110	8×10	0.75	15	110	
22	8×10	0.75	15	110	8×10	0.75	15	110	
	10×10	0.55	11	150	10×10	0.55	11	150	
33	8×10	0.75	15	110	10×10	0.55	11	150	
	10×10	0.55	11	150					
47	—	—	—	—	12.5×13.5	0.32	4.8	300	

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