

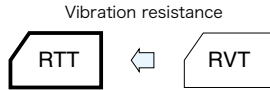
Chip Type 125°C Use, Low ESR, For Vibration Capacitors

- GREEN CAP
- SMD
- Vibration Resistance
- Low ESR
- 125°C 2000hours
- Anti-cleaning solvent

- Compatible with surface mounting.
- For Vibration resistance. (30G guaranteed)
- Supplied with carrier taping.
- Guarantees 2000 hours at 125°C. (φ12.5 or more : 5000h)



Marking color : Black print

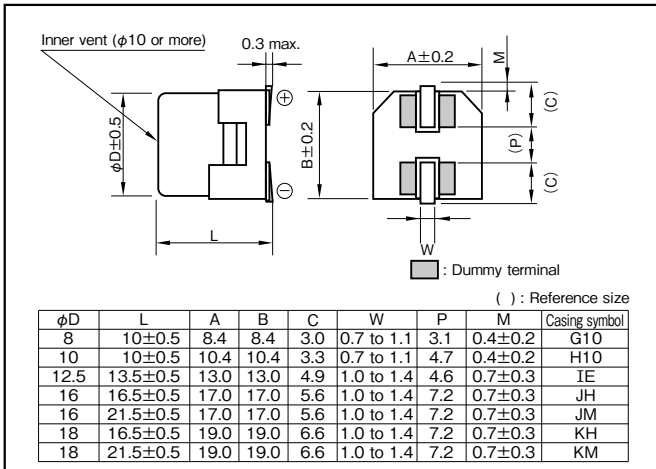


Specifications

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	100	
	Tangent of loss angle	0.24	0.20	0.16	0.14	0.14	0.12	0.12	0.10	
0.02 is added to every 1000μF increase over 1000μF (20°C, 120Hz)										
Characteristics at high and low temperature	Rated voltage (V)	10	16	25	35	50	63	80	100	
	Impedance ratio (max.)	Z-25°C/Z+20°C	3	2	2	2	2	2	2	2
Z-40°C/Z+20°C										
4 3 3 3 3 3 3 3 3 3 (120Hz)										
Endurance (125°C)	Test time	2000 hours (φ 12.5 or more : 5000h)								
	Leakage current	The initial specified value or less								
	Percentage of capacitance change	Within ±30% of initial value								
	Tangent of 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



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

φ8, φ10 (example : 35V100μF)

RTT	35	V	101	M	H10	SU	
Series code	Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol		Taping symbol
φ 12.5 or more (example : 35V1000μF)							
RTT	35	V	102	M	KM	T	
Series code	Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol		Taping symbol

If "Standard (terminal)" type is required, please see the series RVT of page 78.

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

Standard Ratings

Rated voltage (V)	Item	10			16			25			35			50						
		Case	ESR (Ω max.)	Rated ripple current (mA)	Case	ESR (Ω max.)	Rated ripple current (mA)	Case	ESR (Ω max.)	Rated ripple current (mA)	Case	ESR (Ω max.)	Rated ripple current (mA)	Case	ESR (Ω max.)	Rated ripple current (mA)				
100	φD × L (mm)	20°C	-40°C		8×10	0.20	2.0	340	8×10	0.20	2.0	340	8×10	0.20	2.0	340	10×10	0.50	7.5	250
					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	0.18	2.7	550
220	φD × L (mm)	20°C	-40°C		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	0.18	2.7	550
					12.5×13.5	0.086	1.29	750	12.5×13.5	0.086	1.29	750	12.5×13.5	0.086	1.29	750	16×16.5	0.12	1.8	850
330	φD × L (mm)	20°C	-40°C		16×16.5	0.060	0.90	1000	16×16.5	0.060	0.90	1000	16×16.5	0.060	0.90	1000	18×16.5	0.10	1.5	920
					18×16.5	0.050	0.75	1200	18×16.5	0.050	0.75	1200	18×16.5	0.050	0.75	1200				
470	φD × L (mm)	20°C	-40°C		18×21.5	0.042	0.63	1550	18×21.5	0.042	0.63	1550	18×21.5	0.042	0.63	1550				
680	φD × L (mm)	20°C	-40°C																	
1000	φD × L (mm)	20°C	-40°C																	
2200	φD × L (mm)	20°C	-40°C																	
3300	φD × L (mm)	20°C	-40°C																	
4700	φD × L (mm)	20°C	-40°C																	
63	φD × L (mm)	20°C	-40°C																	
100	φD × L (mm)	20°C	-40°C																	
220	φD × L (mm)	20°C	-40°C																	
330	φD × L (mm)	20°C	-40°C																	
470	φD × L (mm)	20°C	-40°C																	

(Note) Rated ripple current : 105°C, 100kHz, ESR : 100kHz