

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

GREEN CAP

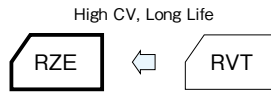
SMD

Low ESR

125°C
2000hours

Anti-cleaning solvent

- Compatible with surface mounting.
- Supplied with carrier taping.
- Guaranteed 2000 hours at 125°C.



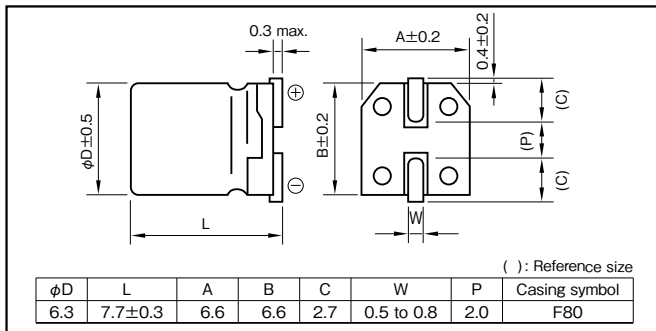
Marking color : Black print

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)	35	
	tanδ (max.)	0.16 (20°C, 120Hz)	
Characteristics at high and low temperature	Rated voltage (V)	35	
	Impedance Ratio (max.)	Z-25°C/Z+20°C	2
		Z-40°C/Z+20°C	3 (120Hz)
Endurance (125°C)	Test time	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



- 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)	120	1k	10k	100k
35	0.77	0.88	0.96	1

Part numbering system (example : 35V47µF)

RZE	—	35	V	470	M	F80	U	—	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping symbol

Standard Ratings

Rated voltage (V)	Item	35				Rated ripple current (mA _{rms})
		Case	ESR (Ω max.)			
			20°C	-40°C	After Endurance -40°C	
47	6.3 × 7.7	0.30	3	6	197	
100	6.3 × 7.7	0.30	3	6	197	

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