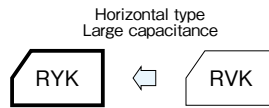


Horizontal Type, 125°C Use, For Vibration Capacitors

SMD Vibration Resistance 125°C 1000hours Anti-cleaning solvent

- 125°C high temperature surface mount.
- Highly resistant to vibration.
- Available in horizontal configurations only.
- Supplied with carrier taping.
- Guarantees 1000 hours at 125°C.



Marking color : White print on a black case

Specifications

Item	Performance							
Category temperature range (°C)	-40 to +125							
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)							
Leakage current (μA)	Less than 0.02CV (after 2 minutes) C : Rated capacitance (μF) ; V : Rated voltage (V) (20°C)							
Tangent of loss angle (tanδ)	Rated voltage (V)	6.3	10	16	25	35	50	63
	tanδ (max.)	0.30	0.28	0.26	0.24	0.20	0.19	0.18
(20°C,120Hz)								
Characteristics at high and low temperature	Rated voltage (V)	6.3	10	16	25	35	50	63
	Impedance ratio (max.)	Z-25°C/Z+20°C	3	3	3	3	3	3
		Z-40°C/Z+20°C	5	5	5	5	5	5
(120Hz)								
Endurance (125°C) (Applied ripple current)	Test time	1000 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	500 hours						
	Leakage current	The initial specified value or less						
	Percentage of capacitance change	Within ±20% of initial value						
	Tangent of the loss angle	200% or less of the initial specified value						
Pretreatment performed								
Applicable standards	JIS C5101-1 1998, -18 1999 (IEC 60384-1 1992, -18 1993)							

Outline Drawing

Unit : mm

Case Size : 9.5×24.0

■ 8 terminals type : Casing symbol G5T

Technical drawing of Case Size 9.5×24.0, 8 terminals type (G5T). The drawing includes a top view and a side view. The top view shows a rectangular component with dimensions L, L1, L0, and W. The side view shows the height dimensions H, H0, H1, and H2. The drawing includes various tolerances and dimensions for the terminals and the component body.

Case size	W	L0	L	L1	H	H0	H1	F
9.5×24	9.5±0.5	24±1	21±0.5	22±0.5	9.3±0.5	9.3±0.5	9.1±0.3	3.5±0.5

Case Size : 9.5×19.0

■ 6 terminals type : Casing symbol G4

Technical drawing of Case Size 9.5×19.0, 6 terminals type (G4). The drawing includes a top view and a side view. The top view shows a rectangular component with dimensions L, L1, L0, and W. The side view shows the height dimensions H, H0, H1, and H2. The drawing includes various tolerances and dimensions for the terminals and the component body.

Case size	W	L0	L	L1	H	H0	H1	F
9.5×19	9.5±0.5	19±1	16±0.5	17±0.5	9.3±0.5	9.3±0.5	9.1±0.3	3.5±0.5

• Soldering conditions are described on page 11. • Land pattern size are described on page 12. • The taping specifications are described on page 13.

Part numbering system (example: 10V560μF)

RYK	—	10	V	561	M	G5T	T	—	FL
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Tray polarity symbol

Coefficient of Frequency for Rated Ripple Current

Frequency (Hz)	120	1k	10k	100k
Rated voltage (V)				
10 to 63	0.77	0.88	0.96	1

Standard Ratings

Rated voltage (V)	Item	6.3			10			16			25			35			50			63		
		Case W×L (mm)	Impedance (Ω max.)	Rated ripple current (mA rms)	Case W×L (mm)	Impedance (Ω max.)	Rated ripple current (mA rms)	Case W×L (mm)	Impedance (Ω max.)	Rated ripple current (mA rms)	Case W×L (mm)	Impedance (Ω max.)	Rated ripple current (mA rms)	Case W×L (mm)	Impedance (Ω max.)	Rated ripple current (mA rms)	Case W×L (mm)	Impedance (Ω max.)	Rated ripple current (mA rms)	Case W×L (mm)	Impedance (Ω max.)	Rated ripple current (mA rms)
56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.5×19.0	0.52	204
82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.5×19.0	0.49	210	9.5×24.0	0.37	272
100	—	—	—	—	—	—	—	—	—	—	—	—	—	9.5×19.0	0.40	232	9.5×24.0	0.35	279	—	—	—
220	—	—	—	—	—	—	—	—	—	—	9.5×19.0	0.40	232	9.5×24.0	0.30	302	—	—	—	—	—	—
270	—	—	—	—	—	—	—	9.5×19.0	0.40	232	9.5×24.0	0.30	302	—	—	—	—	—	—	—	—	—
470	—	—	—	—	9.5×19.0	0.40	232	9.5×24.0	0.30	302	—	—	—	—	—	—	—	—	—	—	—	—
560	9.5×19.0	0.40	232	—	9.5×24.0	0.30	302	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
820	9.5×24.0	0.30	302	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 125°C, 100kHz ; Impedance : 20°C, 100kHz

Mouser Electronics

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