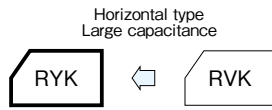


## Horizontal Type, 125°C Use, For Vibration Capacitors

SMD	Vibration Resistance	125°C 1000hours	Anti-cleaning solvent
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- 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	
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	3
		Z-40°C/Z+20°C	5	5	5	5	5	5	5
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							
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

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

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 capacitance (µF)	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)			
56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
220	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
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

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