



RXW Anti-pulse Wire-wound Resistor

Catalogue

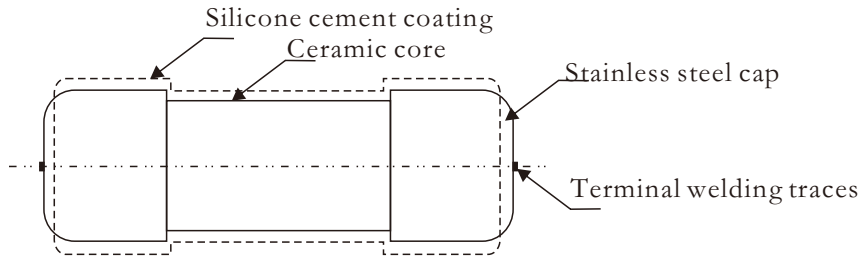
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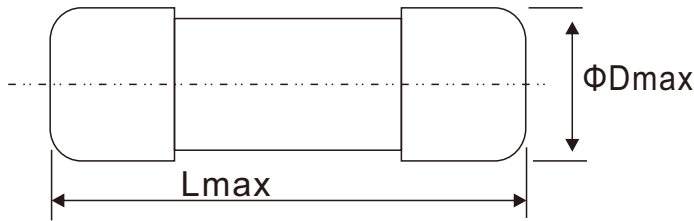
Features

- I Stability reaches 3%
- II Small size, high resistance, simple structure, easy to mount.
- III Widely used in the engine system of motorcycle and automobile.

Construction



Dimensions



Type	Power		Resistance Range(Ω)	Dimension(mm)	
				Lmax	ΦD_{max}
RXW10	0.5W	1WS	1K Ω ~5K Ω	11	3.9
RXW20	1W	2WS	1K Ω ~5K Ω	19	4.8
RXW30	2W	3WS	1K Ω ~10K Ω	20	4.8
RXW40	3W	4WS	1K Ω ~10K Ω	22	4.8
RXW50	5W	6WS	1K Ω ~10K Ω	26	4.8

Ordering Information

Example:

RXW	20	K	1K00
(1)	(2)	(3)	(4)
Series Name	Power Rating	Resistance Tolerance	Resistance

(1)Type: RXW SERIES

(2)Power Rating: 10=0.5W/1WS,20=1W/2WS,30=2W/3WS ,40=3W/3WS,50=5W/6WS

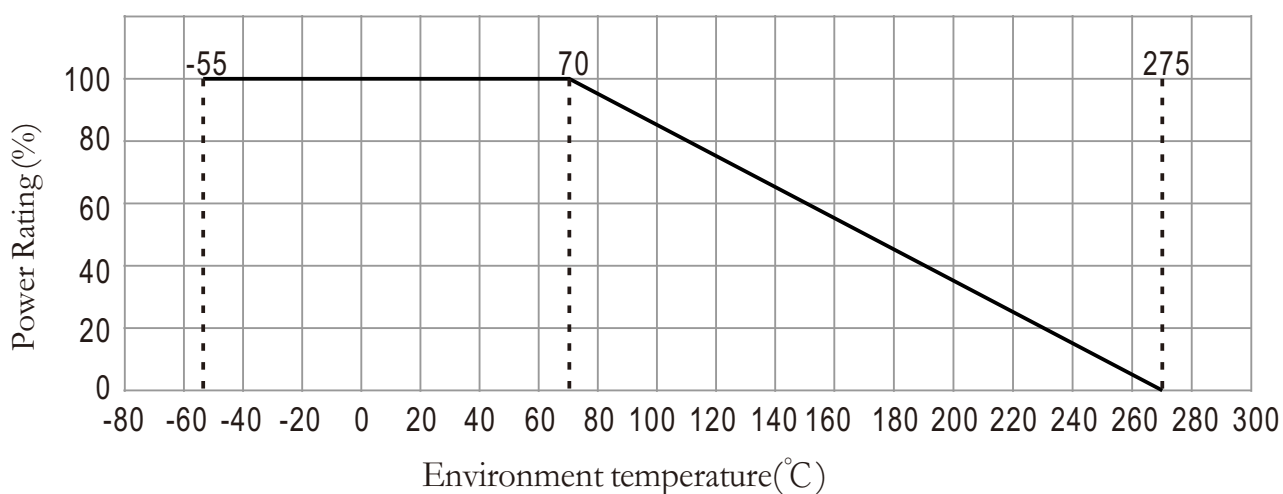
(3)Tolerance:K= $\pm 10\%$ 、 M= $\pm 20\%$

(4)Resistance Value:1K00=1K,1K50=1.5K,5K00=5K,10K00=10K

Applications And Ratings

Type	Power		Nominal Resistance(Ω)	Resistance Tolerance	T.C.R $\pm(X10^{-6}/^{\circ}\text{C})$	Impulse Voltage max (V)
RXW10	0.5W	1WS	1K~5K	K= $\pm 10\%$ M= $\pm 20\%$	250	20KV
RXW20	1W	2WS	1K~5K			
RXW30	2W	3WS	1K~10K			
RXW40	3W	4WS	1K~10K			
RXW50	5W	6WS	1K~10K			

Derating Curve



Performance

Items	Requirements	Test Methods(JIS C 5201-1)
Impulse load	$\Delta R \leq \pm 2\%R$	Impulse Voltage: $\leq 20\text{KV}$; Impulse breadth:0.1~500 μs ; Frequency:100~200Hz; Time:2~3s
Steady damp-heat	$\Delta R \leq \pm 2\%R$	Temperature:40 $\pm 2^{\circ}\text{C}$; Opposite humidity:93 $\pm 3\%$; Time:48h
Vibration intensity	$\Delta R \leq \pm 2\%R$	Frequency:50Hz; Acceleration:50m/s ² ; Time:30h
Vibration stability	$\Delta R \leq \pm 2\%R$	Frequency:(10~500)Hz; Acceleration:50m/s ² ; Time:30min
Shock	$\Delta R \leq \pm 2\%R$	Frequency:(40~80)Hz; Acceleration:150m/s ² ; Test Time:2000timev
Centrifugation	$\Delta R \leq \pm 2\%R$	Acceleration:150m/s ² ; Time:10min
Short-time load	$\Delta R \leq \pm 3\%R$	Temperature: $\leq 85^{\circ}\text{C}$, Voltage: Rated Voltage; Time:48h
T.C.R	$\pm 250 \times 10^{-6}/^{\circ}\text{C}$	-55 $^{\circ}\text{C}$ / +125 $^{\circ}\text{C}$
Thermal cycle	$\Delta R \leq \pm 2\%R$	-55 $^{\circ}\text{C}$ / +325 $^{\circ}\text{C}$ 3 cycles