RXF11

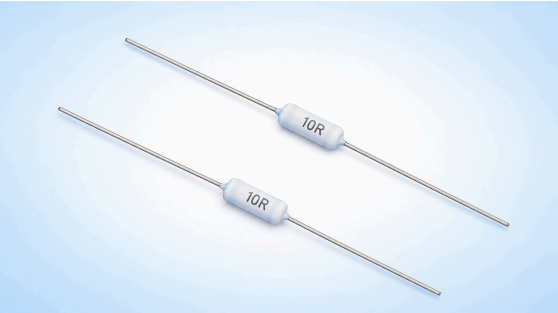
Fusible Wirewound Resistors

Product Introduction

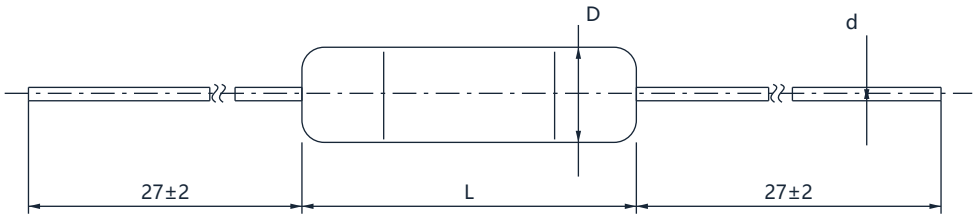
• Features: Axial leads and strong overload capability. Painted surface, high-temperature resistance and flame retardance; flame retardance has passed CQC safety certification.

• Applications: Functions as a resistor during normal circuit operation. In an abnormal circuit condition, it can fuse rapidly to provide protection.

• Products complying with RoHS and REACH requirements can be manufactured.



Dimensions



Model	Rated power (W)	Resistance range (Ω)	Dimensions (mm)		
			Lmax	Dmax	d
RXF11-1/4W	1/4	0.015 ~ 8.2	7	2.5	0.6
RXF11-1/2W	1/2	0.015 ~ 15	9.5	4	0.6
RXF11-1W	1	0.13 ~ 15	11.5	4.5	0.6
RXF11-2W	2	0.02 ~ 43	15.5	5.5	0.8
RXF11-3W	3	0.022 ~ 43	16.5	7	0.8

Main Test Items

Test item	Test conditions	Performance requirement	Test standard
Terminal strength	Tensile force: 10N, 10s	$\Delta R \leq \pm(1\%R+0.05\Omega)$	GB/T 2423.29-1999
Solderability	Bath: (235±5)°C; immersion time: (2±0.5)s	Uniform tin wetting, free flow	GB/T 2423.28-2005
Shock	Acceleration: 490m/s²; duration: 11ms; half-sine pulse	$\Delta R \leq \pm(1\%R+0.05\Omega)$	GB/T 2423.05-1995
Vibration	Frequency: (10 ~ 500)Hz; amplitude: 0.75mm or acceleration: 98m/s²; 6h	$\Delta R \leq \pm(1\%R+0.05\Omega)$	GB/T 2423.10-2008
Fusing characteristic	Apply fusing voltage or current	Fused resistance: R2/R1 > 100Ω	SJ 2865-1988, 1.8.1
Accidental overload (flame retardance)	Power: 5, 10 and 16 times rated power; duration: 5min (or until open circuit)	No open flame or burning	SJ 3272-1990, 4.2.2

Ordering Example

RXF11	-	3W	-	10Ω	-	±5%		1000 pcs
Model		Rated power		Nominal resistance		Resistance tolerance		Quantity