

Features

- Flameproof design
- Compact size
- Useful in circuits where duty cycles require power resistors
- Tin-plated copper leads
- Cut and formed product is available on select sizes, contact factory for details
- RoHS compliant / lead-free



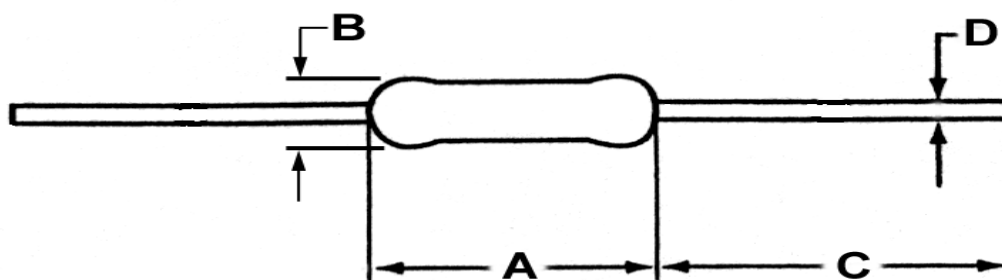
Electrical Specifications

Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage*	Maximum Pulse Voltage	Resistance Temperature Coefficient	Ohmic Range and Tolerance	
					1%	5%
RSPF 1/2	0.5W	400V	800V	-200 ppm/°C ~ +350ppm/°C	10Ω – 100KΩ	2.2Ω – 1MΩ
RSPF 1	1.0W	500V	1,000V	-200 ppm/°C ~ +350ppm/°C	10Ω – 100KΩ	2.2Ω – 1MΩ
RSPF 2	2.0W	500V	1,000V	-200 ppm/°C ~ +350ppm/°C	10Ω – 100KΩ	2.2Ω – 1MΩ
RSPF 3	3.0W	500V	1,000V	-200 ppm/°C ~ +350ppm/°C	10Ω – 100KΩ	2.2Ω – 1MΩ
RSPL 1/2	0.5W	√PR	√PR x 2.5	-200 ppm/°C ~ +350ppm/°C	–	0.1Ω – 2Ω
RSPL 1	1.0W	√PR	√PR x 2.5	-200 ppm/°C ~ +350ppm/°C	–	0.1Ω – 2Ω
RSPL 2	2.0W	√PR	√PR x 2.5	-200 ppm/°C ~ +350ppm/°C	–	0.1Ω – 2Ω
RSPL 3	3.0W	√PR	√PR x 2.5	-200 ppm/°C ~ +350ppm/°C	–	0.1Ω – 2Ω

* Lesser of √PR or maximum working voltage

How to Order

RSPF		1/2		10		5%		A		
SEI Type		Code		Nominal Resistance		Tolerance		Packaging		
SEI Type	Description	Code	Wattage	Tolerance	Values	SEI Types		Pkg Qty	Description	Code
RSPF	Flameproof	1/2	0.5W	1%	E24	RSPF 1/2, RSPF 1 RSPL 1/2, RSPL 1		2,500	Reel	R
RSPL	Low values	1	1.0W	5%	E12	RSPF 2, RSPL 2		1,000		
		2	2.0W			RSPF 3, RSPL 3		500		
		3	3.0W			RSPF 1/2, RSPL 1 RSPL 1/2, RSPL 1		2,000	Ammo	T
						RSPF 2, RSPL 2		1,000		
						RSPF 3, RSPL 3		500		
						All		1,000	Bulk	A



Mechanical Specifications

Type / Code	A Body Length	B Body Diameter	C Lead Length (Bulk)	D Lead Diameter	Units
RSPF / RSPL 1/2	0.24 ± 0.04 6.00 ± 0.30	0.09 ± 0.01 2.30 ± 0.20	1.10 ± 0.08 28.0 ± 2.0	0.024 ± 0.002 0.60 ± 0.05	inches mm
RSPF / RSPL 1	0.35 ± 0.02 9.00 ± 0.50	0.12 ± 0.02 3.00 ± 0.50	1.10 ± 0.08 28.0 ± 2.0	0.028 ± 0.002 0.70 ± 0.05	inches mm
RSPF / RSPL 2	0.43 ± 0.02 11.0 ± 0.50	0.16 ± 0.02 4.00 ± 0.50	1.38 ± 0.12 35.0 ± 3.0	0.031 ± 0.002 0.80 ± 0.05	inches mm
RSPF / RSPL 3	0.59 ± 0.02 15.0 ± 0.50	0.22 ± 0.02 5.50 ± 0.50	1.38 ± 0.12 35.0 ± 3.0	0.031 ± 0.002 0.80 ± 0.05	inches mm

Performance Characteristics (JIS C 5202)

Test	Test Results
Short Time Overload	±(0.75% + 0.05Ω)
Moisture Resistance	±(5% + 0.05Ω)
Load Life @ 70°C – 1,000 hrs	±(5% + 0.05Ω)
Dielectric Withstanding Voltage	±(5% + 0.05Ω)
Resistance to Solvent	Permanent marking no physical damage or deterioration
Non-combustibility	Does not burn continuously for more than 5 seconds

Operating Temperature Range : -55°C to +155°C