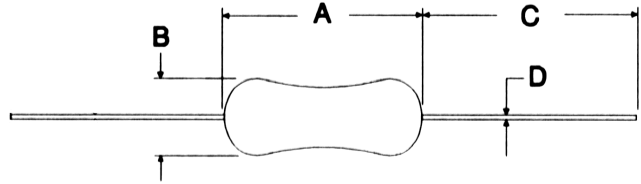


RSPF/RSPL Series — Flameproof Power Resistors

Features

- Flameproof design
- Compact size
- Useful in circuits where duty cycles require power resistors
- Tin-plated copper leads
- Swaged leads available

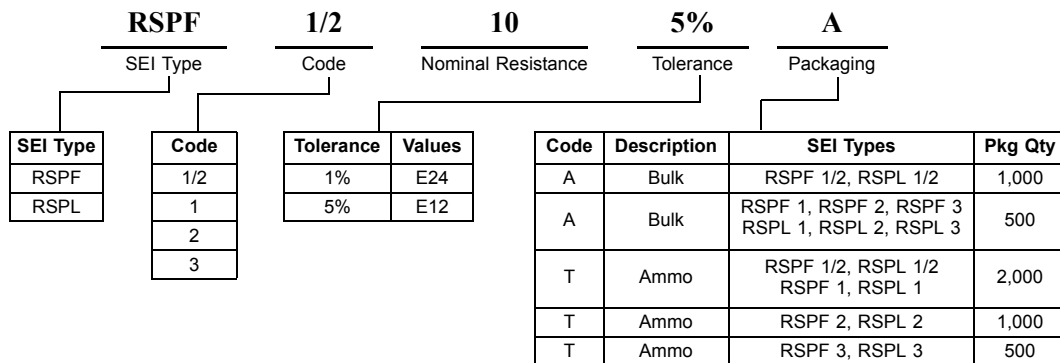


Electrical Specifications

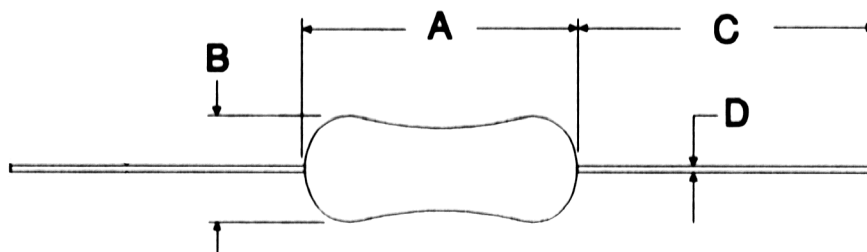
Type (RSPF/RSPL)	Power Rating (Watts) @ 70°C	Maximum Working Voltage		Maximum Pulse Voltage		Resistance Temperature Coefficient	Ohmic Range and Tolerance		
		RSPF	RSPL	RSPF	RSPL		RSPF		RSPL
							1%	5%	5%
1/2	0.5W	400	√PR	800	√PR x 2.5	-200 ppm/°C ~ +350ppm/°C	10Ω – 100K	2.2Ω – 1M	0.1Ω – 2Ω
1	1W	500	√PR	1000	√PR x 2.5	-200 ppm/°C ~ +350ppm/°C	10Ω – 100K	2.2Ω – 1M	0.1Ω – 2Ω
2	2	500	√PR	1000	√PR x 2.5	-200 ppm/°C ~ +350ppm/°C	10Ω – 100K	2.2Ω – 1M	0.1Ω – 2Ω
3	3	500	√PR	1000	√PR x 2.5	-200 ppm/°C ~ +350ppm/°C	10Ω – 100K	2.2Ω – 1M	0.1Ω – 2Ω

* Lesser of √PR or maximum working voltage

How to Order



RSPF/RSPL Series — Flameproof Power Resistors



Mechanical Specifications				
	inches		mm	
Type (RSPF/RSPL)	A Body Length	B Body Diameter	C Lead Length (Bulk)	D Lead Diameter
1/2	0.24 ± 0.04 6.0 ± 0.3	0.09 ± 0.01 2.3 ± 0.2	1.10 ± 0.08 28.0 ± 2.0	0.024 ± 0.002 0.6 ± 0.05
1	0.35 ± 0.02 9.0 ± 0.5	0.12 ± 0.02 3.0 ± 0.5	1.10 ± 0.08 28.0 ± 2.0	0.028 ± 0.002 0.7 ± 0.05
2	0.43 ± 0.02 11.0 ± 0.5	0.16 ± 0.02 4.0 ± 0.5	1.38 ± 0.12 35.0 ± 3.0	0.031 ± 0.002 0.8 ± 0.05
3	0.59 ± 0.02 15.0 ± 0.5	0.22 ± 0.02 5.5 ± 0.5	1.38 ± 0.12 35.0 ± 3.0	0.031 ± 0.002 0.8 ± 0.05

Performance Characteristics (JIS C 5202)	
Test	Test Results
Operating Temperature Range	-55°C to +155°C
Short Time Overload	± (0.75% + 0.05Ω)
Moisture Resistance	± (5% + 0.05Ω)
Load Life @ 70°C – 1000 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