

RSPF/RSPL Series — Flameproof Power Resistors

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

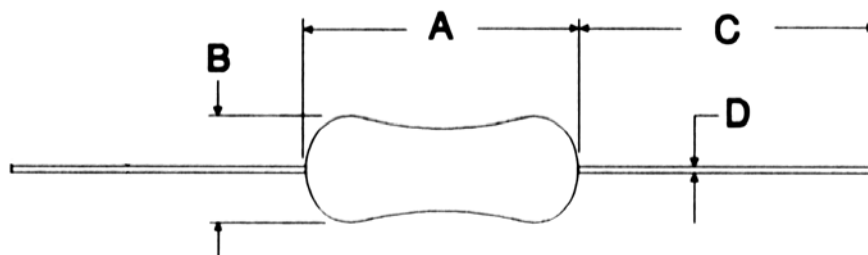
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage	Maximum Pulse Voltage	Resistance Temperature Coefficient	Ohmic Range and Tolerance	
					1%	5%
RSPF 1/2	0.5W	400V	800V	-200 ppm/°C ~ +350ppm/°C	10Ω – 100KΩ	2.2Ω – 1MΩ
RSPF 1	1W	500V	1,000V	-200 ppm/°C ~ +350ppm/°C	10Ω – 100KΩ	2.2Ω – 1MΩ
RSPF 2	2W	500V	1,000V	-200 ppm/°C ~ +350ppm/°C	10Ω – 100KΩ	2.2Ω – 1MΩ
RSPF 3	3W	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	1W	√PR	√PR x 2.5	-200 ppm/°C ~ +350ppm/°C	–	0.1Ω – 2Ω
RSPL 2	2W	√PR	√PR x 2.5	-200 ppm/°C ~ +350ppm/°C	–	0.1Ω – 2Ω
RSPL 3	3W	√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		Code	Tolerance	Values	SEI Types	Pkg Qty	Description	Code
RSPF		1/2	1%	E24	RSPF 1/2, RSPF 1	2,500	Reel	R
RSPL		1	5%	E12	RSPF 1/2, RSPL 1	1,000		
		2			RSPF 2, RSPL 2	500		
		3			RSPF 3, RSPL 3	2,000	Ammo	A
					RSPF 1/2, RSPL 1	1,000		
					RSPF 2, RSPL 2	500		
					RSPF 3, RSPL 3	1,000	Bulk	B
					All	1,000		

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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 6.0 ± 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	inches mm
RSPF / RSPL 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	inches mm
RSPF / RSPL 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	inches mm
RSPF / RSPL 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	inches mm

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 – 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