

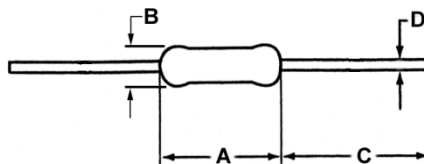
Features:

- Robust metal oxide film element
- 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 (1)	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance	
					1%, 2%	5%
RSPF14	0.25W	250V	500V	-200 ppm/°C ~ +350 ppm/°C	10 - 100K	2.2 - 1M
RSPF12	0.5W	400V	800V	-200 ppm/°C ~ +350 ppm/°C	10 - 100K	2.2 - 1M
RSPF1	1W	500V	1,000V	-200 ppm/°C ~ +350 ppm/°C	10 - 100K	2.2 - 1M
RSPF2	2W	500V	1,000V	-200 ppm/°C ~ +350 ppm/°C	10 - 100K	2.2 - 1M
RSPF3	3W	500V	1,000V	-200 ppm/°C ~ +350 ppm/°C	10 - 100K	2.2 - 1M
RSPL14	0.25W	√PR	√PR x 2.5	-200 ppm/°C ~ +350 ppm/°C	-	0.1 - 2
RSPL12	0.5W	√PR	√PR x 2.5	-200 ppm/°C ~ +350 ppm/°C	-	0.1 - 2
RSPL1	1W	√PR	√PR x 2.5	-200 ppm/°C ~ +350 ppm/°C	-	0.1 - 2
RSPL2	2W	√PR	√PR x 2.5	-200 ppm/°C ~ +350 ppm/°C	-	0.1 - 2
RSPL3	3W	√PR	√PR x 2.5	-200 ppm/°C ~ +350 ppm/°C	-	0.1 - 2

(1) Lesser of √PR or maximum working voltage



Mechanical Specifications					
Type / Code	A Body Length	B Body Diameter	C Lead Length (Bulk)	D Lead Diameter	Unit
RSPF14 / RSPL14	0.13 ± 0.008 / 0 3.20 ± 0.20 / 0	0.07 ± 0.01 1.82 ± 0.20	1.10 ± 0.12 28.00 ± 3.00	0.02 ± 0.002 0.45 ± 0.05	inches mm
RSPF12 / RSPL12	0.24 ± 0.020 6.00 ± 0.50	0.09 ± 0.01 2.30 ± 0.20	1.10 ± 0.12 28.00 ± 3.00	0.02 ± 0.002 0.55 ± 0.05	inches mm
RSPF1 / RSPL1	0.35 ± 0.039 9.00 ± 1.00	0.12 ± 0.02 3.00 ± 0.50	1.10 ± 0.12 28.00 ± 3.00	0.03 ± 0.002 0.70 ± 0.05	inches mm
RSPF2 / RSPL2	0.43 ± 0.039 11.00 ± 1.00	0.16 ± 0.02 4.00 ± 0.50	1.10 ± 0.12 28.00 ± 3.00	0.03 ± 0.002 0.80 ± 0.05	inches mm
RSPF3 / RSPL3	0.59 ± 0.039 15.00 ± 1.00	0.22 ± 0.04 5.50 ± 1.00	1.38 ± 0.12 35.00 ± 3.00	0.03 ± 0.002 0.80 ± 0.05	inches mm

Performance Characteristics

Test	Test Results
Short Time Overload	$\pm(0.75\% + 0.05\Omega)$
Moisture Resistance	$\pm(5\% + 0.05\Omega)$
Load Life @ 70°C - 1,000 hours	$\pm(5\% + 0.05\Omega)$
Dielectric Withstanding Voltage	$\pm(5\% + 0.05\Omega)$
Resistance to Solvent	Permanent marking no physical damage or deterioration

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

How to Order

1	2	3	4	5	6	7	8	9	10	11	12
R	S	P	F	1	2	J	B	1	0	R	0
Product Series		Size	Power Rating	Tolerance			Packaging				Resistance Value
RSPF	Flameproof	14	0.25W	Code	Tol	Value	Code	Description	Size	Quantity	Four characters with the multiplier used as the decimal holder. 2.2 ohm = 2R20 10 Kohm = 10K0 1 Mohm = 1M00
RSPL	Low values	12	0.5W	F	1%	E96	T	Tape and Reel	RSPF14, RSPL14 RSPF12, RSPL12	5,000	
		1	1W	G	2%	E24			RSPF1, RSPL1 RSPF2, RSPL2	2,500	
		2	2W	J	5%				RSPF3, RSPL3	1,000	
		3	3W						RSPF14, RSPL14	2,000	
							B	Bulk	RSPF12, RSPL12 RSPF1, RSPL1 RSPF2, RSPL2 RSPF3, RSPL3	1,000	
							A	Ammo	RSPF14, RSPL14 RSPF12, RSPL12 RSPF1, RSPL1 RSPF2, RSPL2 RSPF3, RSPL3	5,000 2,000 1,000 500	

Legacy Part Number (before January 3, 2011):

SEI Type		Code		Nominal Resistance	Tolerance		Packaging				
RSPF		1/2		10	5%		A				
Type	Description	Code	Wattage			Tolerance	Values	Types	Qty	Description	Code
RSPF	Flameproof	1/4	0.25W			1%	E96	RSPF14, RSPL14 RSPF12, RSPL12	5,000	Tape and Reel	R
RSPL	Low values	1/2	0.5W			2%	E24	RSPF1, RSPL1 RSPF2, RSPL2	2,500		
		1	1W			5%	E24	RSPF3, RSPL3	1,000		
		2	2W					RSPF14, RSPL14	5,000	Ammo	T
		3	3W					RSPF12, RSPL12 RSPF1, RSPL1 RSPF2, RSPL2	2,000		
								RSPF3, RSPL3	1,000		
								RSPF14, RSPL14	500	Bulk	A
								RSPF12, RSPL12 RSPF1, RSPL1 RSPF2, RSPL2 RSPE3, RSPL 3	2,000		
									1,000		