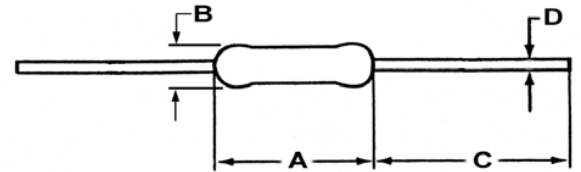


- Features:
- UL 1676 recognized
  - Excellent anti-surge characteristics
  - Stable characteristics through the resistance range
  - Applications include power supplies, CRT's and anti-surge circuits
  - Good alternative to carbon composition resistors
  - Cut and formed product is available on select 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	Surge Withstanding Voltage	Ohmic Range (Ω) and Tolerance
					5%, 10%
SPRM 1/2	0.5W	2,000V	3,000V	10KV	1M - 12M
SPR 1	1W				

(1) Lesser of  $\sqrt{PR}$  or maximum working voltage

Mechanical Specification					
Type / Code	A Body Length	B Body Diameter	C Lead Length (Bulk)	D Lead Diameter	Units
SPRM 1/2	0.35 ± 0.03	0.12 ± 0.02	1.1 ± 0.08	0.027 ± 0.002	inches
	9.0 ± 1.0	3.0 ± 0.5	28.0 ± 2.0	0.7 ± 0.05	mm
SPR 1	0.59 ± 0.04	0.2 ± 0.02	1.38 ± 0.12	0.031 ± 0.002	inches
	15.0 ± 1.0	5.0 ± 0.5	35.0 ± 3.0	0.8 ± 0.05	mm

Performance Characteristics (JIS C 5201-1)	
Test	Test Results
Moisture Resistance	±5%
Temperature Cycling	±1%
Load Life	±5%
Resistance to Soldering Heat	±1%
Short Time Overload	±2%
Discharge	±10%

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

### How to Order

SEI Type		Code		Nominal Resistance	Tolerance	Packaging			
SPR		1		10M	5%	A			
Type	Description	Code	Wattage	Tolerance		Type	Qty	Description	Code
SPR	EIA Standard	1/2	0.5W	5%	E24	SPRM 1/2, SPR 1	1,000	Bulk	A
SPRM	Mini	1	1W	10%	E12	SPRM 1/2	2,000	Ammo	T
						SPR 1	500		

## Color Code

Description

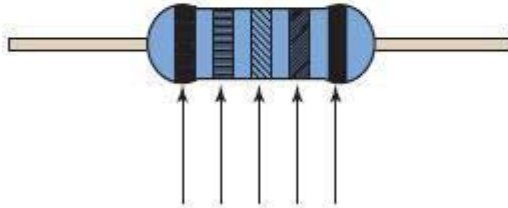
1, 1st band significant figure

2, 2nd band significant figure

3, Multiplier

4, Tolerance

5, Color code 5<sup>th</sup> Color Green (Discharge Resistor)



Color code No. 1 2 3 4 5