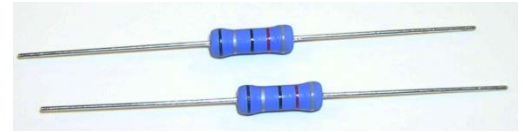


- Features:
- Excellent anti-surge characteristics
  - Stable characteristics through the resistance range
  - Applications include power supplies, CRT's and anti-surge circuits
  - Good alternative to carbon composition resistors
  - Cut and formed product is available on select sizes; contact factory for details
  - RoHS compliant / lead-free



Electrical Specifications					
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage	Maximum Overload Voltage	Surge Withstanding Voltage	Ohmic Range (Ω) and Tolerance
					5%
SPRM12	0.5W	$E=\sqrt{\text{PXR}}$	2,500V	10KV	1M - 12M
SPR1	1W	$E=\sqrt{\text{PXR}}$	5,000V		

Mechanical Specifications					
Type / Code	A Body Length	B Body Diameter	C Lead Length (Bulk)	D Lead Diameter	Unit
SPRM12	0.354 ± 0.039	0.118 ± 0.020	1.102 ± 0.079	0.028 ± 0.002	inches
	9.00 ± 1.00	3.00 ± 0.50	28.00 ± 2.00	0.70 ± 0.05	mm
SPR1	0.591 ± 0.039	0.197 ± 0.020	1.378 ± 0.118	0.031 ± 0.002	inches
	15.00 ± 1.00	5.00 ± 0.50	35.00 ± 3.00	0.80 ± 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

## Color Code

Description

1, 1st band significant figure

2, 2nd band significant figure

3, Multiplier

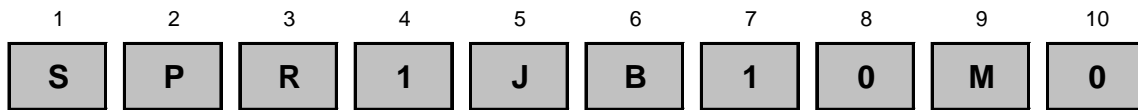
4, Tolerance

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



Color code No. 1 2 3 4 5

## How to Order



Product Series		Size	Power	Tolerance			Packaging				Resistance Value
SPR	Standard	12	0.5W	Code	Tol	Value	Code	Description	Size	Quantity	Four characters with the multiplier used as the decimal holder.  1 Mohm = 1M00 12 Mohm = 12M0
SPRM	Mini	1	1W	J	5%	E24	B	Bulk	SPRM12; SPR1	1,000	
							A	Ammo	SPRM12	2,000	
									SPR1	500	