



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

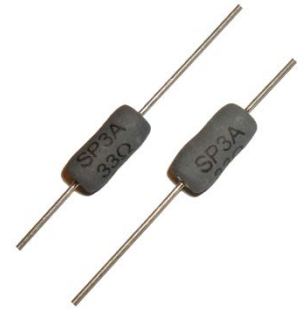
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



- Features:
- High performance for low cost
 - Complete welded terminations
 - Tinned copper leads
 - High temperature silicone coating
 - Bulk packaging available – contact Stackpole for package quantities
 - RoHS compliant / lead-free

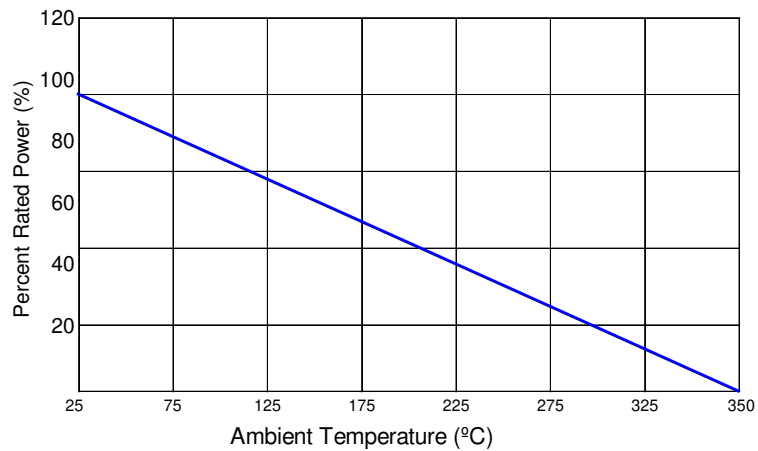


| Electrical Specifications | | | | |
|---------------------------|-------------------------|-----------------------------|------------------------------------|--------------------------------|
| Type / Code | Dielectric Strength (V) | Power Rating (Watts) @ 25°C | Resistance Temperature Coefficient | Ohmic Values (Ω) and Tolerance |
| SP3A | 1,000V | 4W | ± 20ppm | 10 - 100 |
| | | | | 5% |

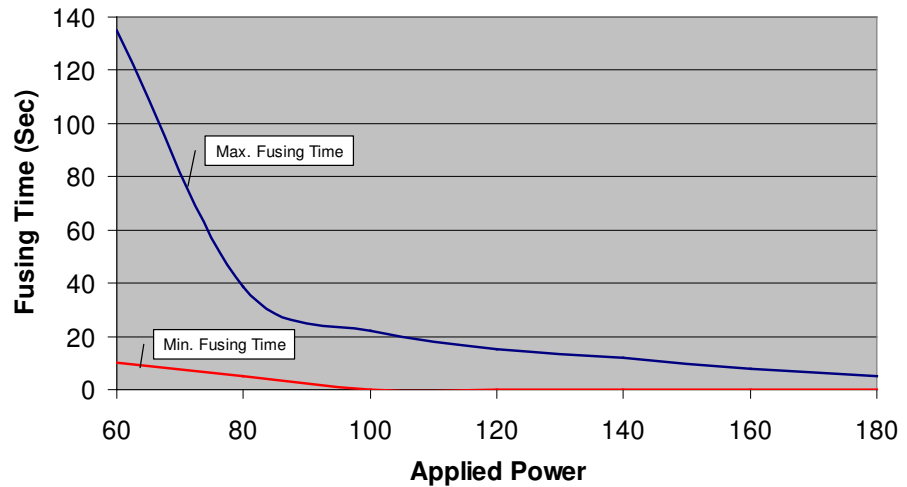
| Mechanical Specifications | | | | | |
|---------------------------|-------------------------------|------------------------------|------------------------------|--------------------------|--------------|
| | | | | | |
| Type / Code | A | B | C | D (Bulk)(1) | Unit |
| SP3A | 0.500 ± 0.062 12.70 ± 1.57 | 0.218 ± 0.031 5.54 ± 0.79 | 0.032 ± 0.002 0.81 ± 0.05 | 1.500 typ. 38.10 typ. | inches mm |

(1) See Packaging Specifications for lead length dimension for tape and reel packaged product
Operating Temperature: -55°C to + 350°C

Power Derating Curve:



Fusing Time:



| Packaging Specifications | | | | | | | |
|--------------------------|------|----------------------|------------------|-------------------------------|-------------------------------|---------------|--------------|
| | | | | | | | |
| Series | Code | A max ⁽¹⁾ | B max | C | D ⁽²⁾ | Tape | Unit |
| SP | 3A | 2.063 52.40 | 11.000 279.40 | 0.400 ± 0.020 10.16 ± 0.50 | 2.063 ± 0.079 52.40 ± 2.00 | 0.250 6.35 | inches mm |

Dimension "E": This is a non-critical dimension that does not have a tolerance in the standard.

Range of diameters is from 0.547 inches (13.90 mm) to 1.500 inches (38.10 mm).

- (1) Reference value only. The "A" dimension shall be governed by the overall length of the taped component. The distance between flanges shall be 0.059 inches (1.50 mm) to 0.315 (8.00 mm) greater than the overall component.
- (2) The given dimension "D" expresses the standard width spacing. A 26mm narrow spacing is available as option "N" packaging code.

| How to Order | | | | | | | | | |
|----------------|---|-----------|-----|-----------|---------------|------|----------|--|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| S | P | 3 | A | J | T | 1 | 0 | 0 | R |
| Product Series | | Tolerance | | Packaging | | | | Resistance Value | |
| SP3A | | Code | Tol | Code | Description | Size | Quantity | Four characters with the "R" multiplier used as the decimal holder | |
| | | J | 5% | T | 11" Reel Tape | SP3A | 500 | 10 ohm = 10R0 100 ohm = 100R | |