Anti-Surge Thick Film Chip Resistors

Performance Specification

Temperature Coefficient	1Ω~10Ω ≤ ±400PPM/°C*	Humidity (Steady State)	±(3.0% + 0.1Ω)Max
	10.1Ω~10MΩ ≤ ±100PPM/°C	Load Life in Humidity	±(3.0% + 0.1Ω)Max
Short Time Overload	±(1.0% + 0.1Ω)Max	Load Life	±(3.0% + 0.1Ω)Max
Terminal Bending	±(1.0% + 0.05Ω)Max	Solderability	Min. 95% coverage.
Soldering Heat	±(1.0% + 0.05Ω)Max	Temperature Cycling	±(1.0% + 0.05Ω)Max
Single Pulse	±(1.0% + 0.1Ω)Max	Insulation Resistance	Min. 1,000 Mega Ohm
Dieiectric Withstanding Voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown.		

Ordering Procedure: Ex.: AS05, 1/3W, +/-5%, 1Ω T/R-5000

A	S	0	5	W	3	J	0	1	0	J	T	5	E

Resistor Size:
AS03 = 0603
AS05 = 0805
AS06 = 1206
AS07 = 1210
AS10 = 2010
AS12 = 2512

Wattage:
W5 = 1/5W
S4 = 1/4W-S
W3 = 1/3W
S2 = 1/2W-S
W2 = 1/2W
06 = 0.6W-S
07 = 3/4W-S

Resistance Value:
- E-24 series:
  1st digit is "0"
  2nd & 3rd digits are significant figures of the resistance
  4th indicates the number of zeros

Tolerance:
J = ±5%
K = ±10%
M = ±20%

Packing Type:
T = Tape/Reel

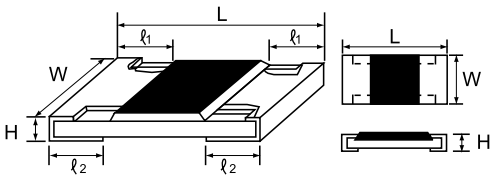
Packing Qty:
5 = 5,000 pcs.

Special Feature:
E = Lead (Pb) Free Plating Type/ RoHS compliant

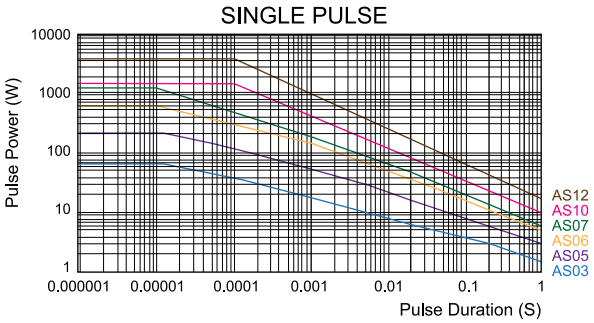
Features

- Small size and light weight
- Suitable for both wave and reflow soldering
- Can withstand high surge
- Reduction of assembly costs

Dimension



Note:
1.) Standard Operating Temp (°C) : -55 -+155
2.) Standard : E-24 series
3.) Construction : Same as thick film
* (1Ω~9.1Ω) ±200 PPM can be provided on a case to case basis



Type	Power Rating at 70°C	Max Working Voltage	Max Overload Voltage	Dielectric Withstanding Voltage	Tolerance %	Resistance Range	Dimension (mm)				
							L	W	H	ℓ1	ℓ2
AS03 (0603)	1/4W-S 1/5W	50V	100V	300V	±5% ±10% ±20%	1Ω~10MΩ	1.60±0.10	0.80±0.10	0.45±0.10	0.30±0.20	0.30±0.20
AS05 (0805)	1/2W-S 1/3W	150V	300V	500V		1Ω~10MΩ	2.00±0.15	1.25 +0.15 -0.10	0.55±0.10	0.40±0.20	0.40±0.20
AS06 (1206)	0.6W-S 1/2W	200V	400V	500V		1Ω~10MΩ	3.10±0.15	1.55 +0.15 -0.10	0.55±0.10	0.40±0.20	0.40±0.20
AS07 (1210)	3/4W-S 1/2W	200V	500V	500V		1Ω~10MΩ	3.10±0.10	2.60±0.20	0.55±0.10	0.50±0.25	0.50±0.20
AS10 (2010)	3/4W	400V	800V	500V		1Ω~10MΩ	5.00±0.10	2.50±0.15	0.55±0.10	0.60±0.25	0.50±0.20
AS12 (2512)	1.5W	500V	1000V	500V		1Ω~10MΩ	6.35±0.10	3.10±0.15	0.55±0.10	0.60±0.25	0.50±0.20

RoHS Compliant