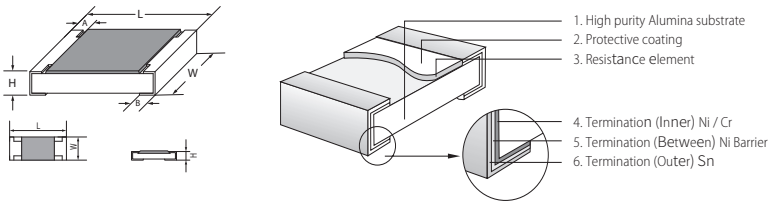


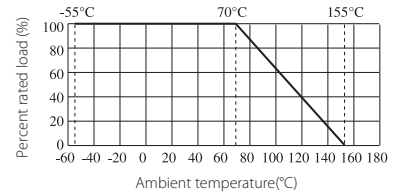
Feature

- Superior Anti-Surge Voltage performance.
- Suitable for wave & reflow soldering
- Application: AV adapter, LCD back-light, camera flash, etc.

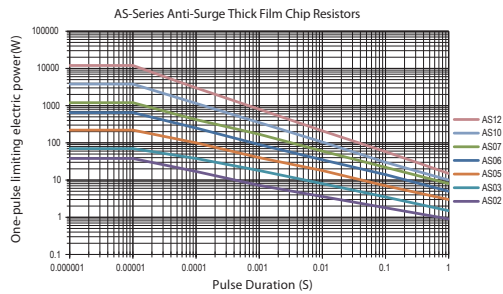
Figures



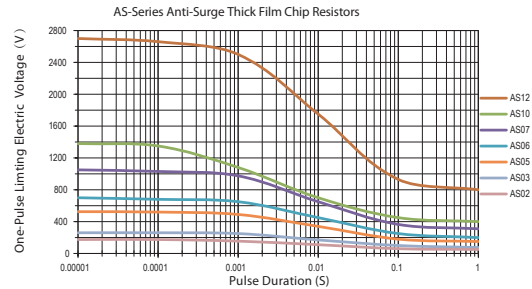
Derating Curve



Curve of Pulse Duration



Pulse Voltage Limit



Specification

Type	Size	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Operating Temperature
AS02	0402 (1005)	50V	100V	100V	-55~+155°C
AS03	0603 (1608)	75V	150V	300V	
AS05	0805 (2012)	150V	300V	500V	
AS06	1206 (3216)	200V	400V	500V	
AS07	1210 (3225)	200V	500V	500V	
AS10	2010 (5025)	400V	800V	500V	
AS12	2512 (6432)	500V	1000V	500V	

Type	Power (70°C)	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)	Resistance Range	Tolerance
AS02	1/8W	1.00±0.10	0.50±0.05	0.35±0.05	0.20±0.10	0.25±0.10	1Ω~10M	±5% ±10% ±20%
AS03	1/4W	1.60±0.10	0.80±0.10	0.45±0.10	0.30±0.20	0.30±0.20		
AS05	1/2W	2.00±0.15	1.25 ^{+0.15} _{-0.10}	0.55±0.10	0.40±0.20	0.40±0.20		
AS06	0.6W	3.10±0.15	1.55 ^{+0.15} _{-0.10}	0.55±0.10	0.45±0.20	0.45±0.20		
AS07	3/4W	3.10±0.10	2.60±0.20	0.55±0.10	0.50±0.25	0.50±0.20		
AS10	1.5W	5.00±0.10	2.50±0.20	0.55±0.10	0.60±0.25	0.50±0.20		
AS12	2W	6.35±0.10	3.20±0.20	0.55±0.10	0.60±0.25	0.50±0.20		

*Special offered : AS12 B:1.80±0.25mm

Performance Specifications

Temperature coefficient	1Ω≤R≤10Ω: ±400ppm/°C 10Ω<R≤10M: ±100ppm/°C
Short-time overload	±(1.0%+0.1Ω)
Terminal bending	±(1.0%+0.05Ω)
Solderability	Coverage must be over 95%.
Dielectric withstanding voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown
Soldering heat	±(1.0%+0.05Ω)
Rapid change of temperature	±(1.0%+0.05Ω)
Load Life in humidity	±(3.0%+0.1Ω)
Load life	±(3.0%+0.1Ω)
Humidity (Steady State)	±(3.0%+0.1Ω)
Single pulse	±(1.0%+0.1Ω)

Ordering Procedure (Example: Anti-surge AS03 1/4W 5% 10KΩ T/R-5000)

