

Anti Surge (AS) /High Precision Anti Surge (PS) Thick Film



Alternative for:

Vishay : CRCWxxxx-IF, CRCWxxxx-HP e3

Yageo: SRxxxx_7W, SRxxxx_7T

Features:

- AEC-Q200 Compliant
- Superior Anti-Surge Voltage performance
- Wave & Re-flow soldering
- Precision Anti-Surge (PS series)



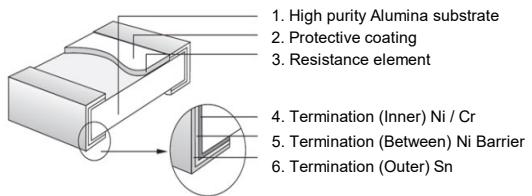
Application:

- Metering
- AV adapters
- LCD back-light
- Power Supply
- Chargers / Inverters
- Monitors
- Automotive
- Consumer Electronics

IATF 16949
ISO 14001



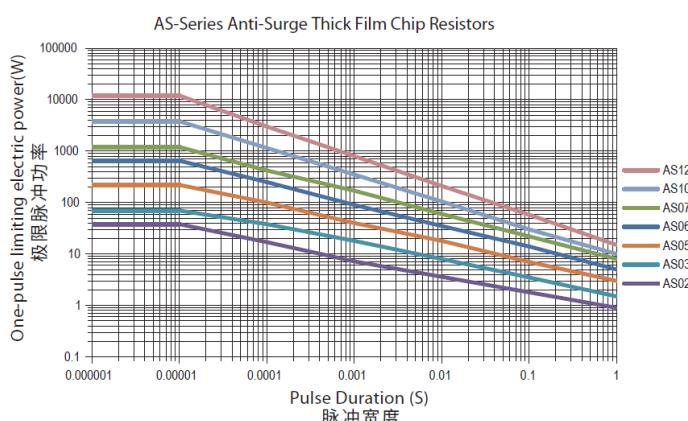
Anti-Surge (AS) Thick Film



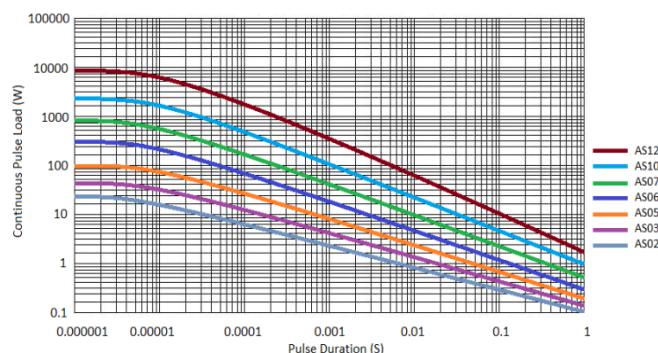
Operating Temperature -55 ~ +155°C

Type	Size	Power (70°C)	Max Working Voltage	Max Over load Voltage	Dielectric Withstanding Voltage	Tolerance	Resistance Range
AS02	0402	1/8W	50V	100V	100V		
AS03	0603	1/4W	75V	150V	300V		
AS05	0805	1/2W	150V	300V	500V		
AS06	1206	0.6W	200V	400V	500V	10%	1Ω~10M 1Ω≤R≤10Ω: ±400ppm/°C
AS07	1210	3/4W	200V	500V	500V	20%	10Ω<R≤10M: ±100ppm/°C
AS10	2010	1.55W	400V	800V	500V		
AS12	2512	2W	500V	1000V	500V		

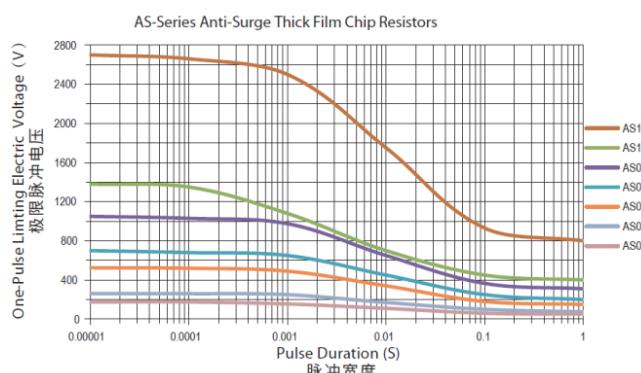
AS Single Pulse



AS Continuous Pulse



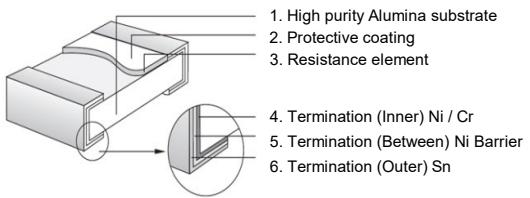
Pulse Voltage Limit



IATF 16949
ISO 14001

This document is a general reference only
Any inquiry/technical support pls. send
email to your contact sales.

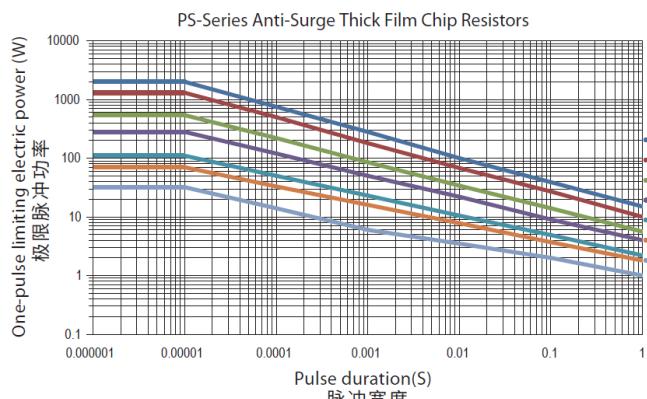
High Precision Anti-Surge (PS) Thick Film



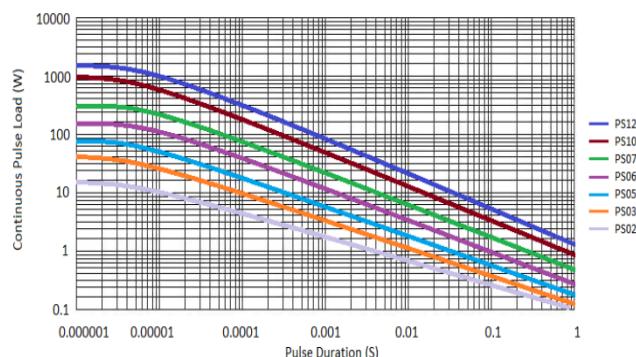
Operating Temperature -55 ~ +155°C

Type	Size	Power (70°C)	Max Working Voltage	Max Over load Voltage	Dielectric Withstanding Voltage	Tolerance	Resistance Range
PS02	0402	1/8W	50V	100V	100V		1Ω~10M
PS03	0603	1/4W	50V	100V	300V		PS02: 1Ω~10Ω: ±400PPM/°C
PS05	0805	1/3W	150V	300V	500V		11Ω~100Ω: ±200PPM/°C
PS06	1206	1/2W	200V	400V	500V	1%	100Ω: ±100PPM/°C
PS07	1210	3/4W	200V	500V	500V	5%	PS03, PS05, PS06, PS07,
PS10	2010	1.25W	400V	800V	500V		PS10, PS12: ±100ppm/°C
PS12	2512	2W	500V	1000V	500V		

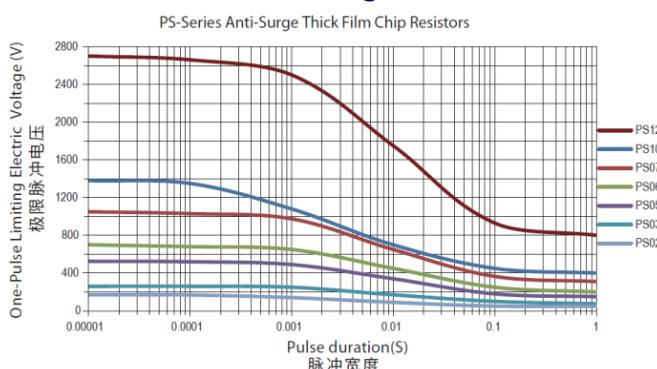
PS Single Pulse



PS Continuous Pulse



Pulse Voltage Limit



IATF 16949
ISO 14001

This document is a general reference only
Any inquiry/technical support pls. send
email to your contact sales.

Legal Disclaimer



The information provided in the catalog/data sheet /single pages/short form is for the purpose of describing product specifications only, and ROYALOHM and its affiliates (hereinafter collectively referred to as "ROYALOHM") hereby disclaim any liability for any errors, inaccuracies or incompleteness contained in any product-related information (including but not limited to product specifications, datasheets, pictures, graphics). ROYALOHM reserves the right to modify this content without prior notice. Thank you for your understanding.

ROYALOHM makes no representation, warranty, and guarantee as to the fitness of its products for any particular purpose or the continuing production of any ROYALOHM products.

To the maximum extent permitted by law, ROYALOHM disclaims

- I. any and all liability arising out of the application or use of any ROYALOHM product,
- II. any and all liability, including without limitation special, consequential or incidental damages, and
- III. any and all implied warranties, including warranties of fitness for a particular purpose, non-infringement and merchantability.

ROYALOHM products are not intended for use in medical, life-saving, or life-sustaining equipment, nor are they intended for any other purpose where product failure or mismanagement could endanger life or cause harm to or death to the human body.

Customers use or sell ROYALOHM products for the above purposes at their own risk. If need products for such purposes, please be sure to consult with our company to obtain relevant information about the applicable products.

Regardless of the application of ROYALOHM products, it is recommended to carry out safety tests while using measures such as protective circuits and redundant circuits to protect the safety of equipment.



IATF 16949
ISO 14001

This document is a general reference only
Any inquiry/technical support pls. send
email to your contact sales.