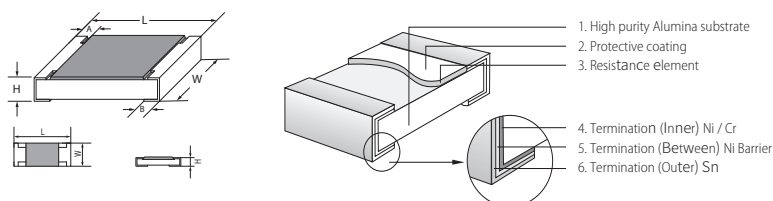


Feature

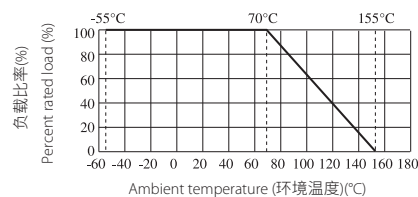
- High-Precision, high-power, anti-pulse
- Suitable for reflow & wave soldering
- Application monitors, power supplies, camcorder, laptop computer



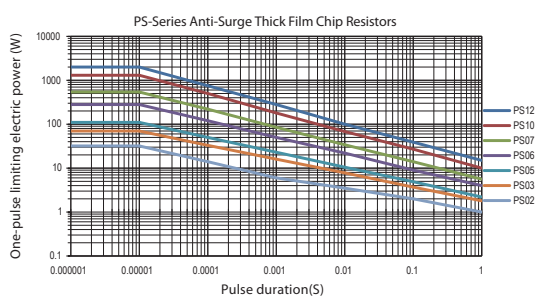
Figures



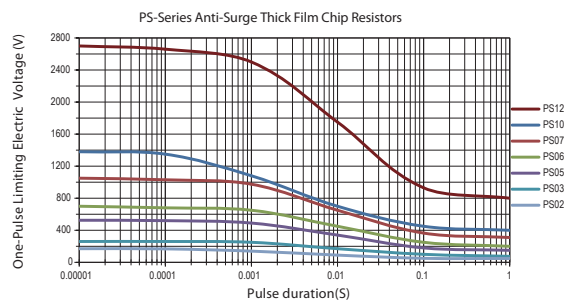
Derating Curve



Curve of Pulse Duration



Pulse Voltage Limit



Specification

Type	Size	Max working voltage	Max Overload Voltage	Dielectric Withstanding Voltage	Operating Temperature
PS02	0402 (1005)	50V	100V	100V	-55~+155°C
PS03	0603 (1608)	50V	100V	300V	
PS05	0805 (2012)	150V	300V	500V	
PS06	1206 (3216)	200V	400V	500V	
PS07	1210 (3225)	200V	500V	500V	
PS10	2010 (5025)	400V	800V	500V	
PS12	2512 (6432)	500V	1000V	500V	

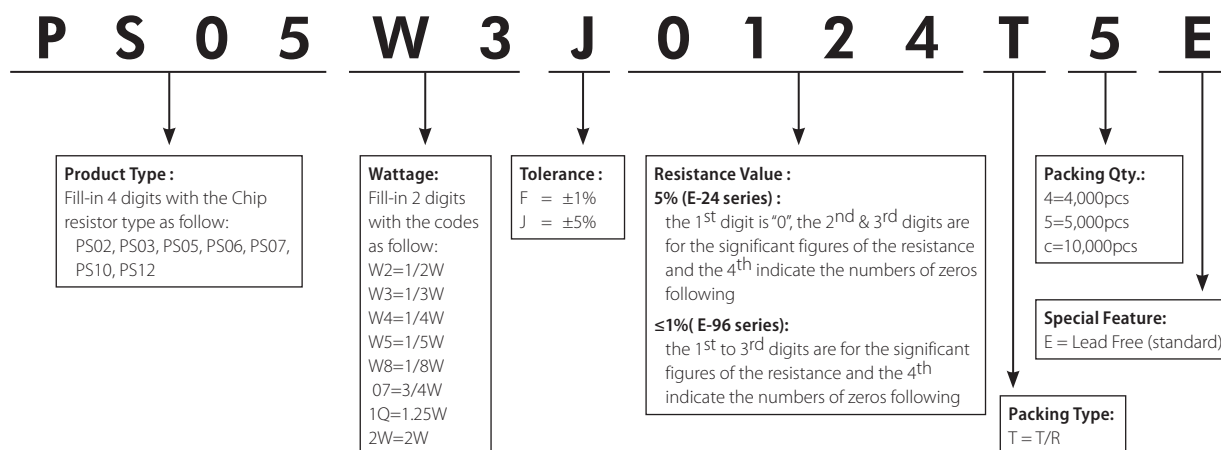
Type	Power (70°C)	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)	Resistance Range 1%(E96), 5%(E24)
PS02	1/8W	1.00±0.10	0.50±0.05	0.35±0.05	0.20±0.10	0.25±0.10	1Ω~10M
PS03	1/4W	1.60±0.10	0.80±0.10	0.45±0.10	0.30±0.20	0.30±0.20	
PS05	1/3W	2.00±0.15	1.25 ^{+0.15} _{-0.10}	0.55±0.10	0.40±0.20	0.40±0.20	
PS06	1/2W	3.10±0.15	1.55 ^{+0.15} _{-0.10}	0.55±0.10	0.45±0.20	0.45±0.20	0.1Ω~10M
PS07	3/4W	3.10±0.10	2.60±0.20	0.55±0.10	0.55±0.25	0.50±0.20	
PS10	1.25W	5.00±0.10	2.50±0.20	0.55±0.10	0.60±0.25	0.50±0.20	1Ω~10M
PS12	2W	6.35±0.10	3.20±0.20	0.55±0.10	0.60±0.25	0.50±0.20	0.1Ω~10M

*Special offered: PS12 B:1.80±0.25mm

Performance Specification

Temperature coefficient	PS02: 1Ω~10Ω: ±400PPM/°C 11Ω~100Ω: ±200PPM/°C >100Ω: ±100PPM/°C PS03, PS05, PS06, PS07, PS10, PS12: ±100ppm/°C
Short-time overload	±1%:±(1.0%+0.1Ω) ±5%:±(2.0%+0.1Ω)
Terminal bending	±(1.0%+0.05Ω)
Solderability	Coverage must be over 95%.
Soldering heat	±(1.0% + 0.05Ω)
Load life in humidity	±1%:±(1.0%+0.1Ω) ±5%:±(3.0%+0.1Ω)
Dielectric withstanding voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown
Rapid change of temperature	±1%:±(0.5%+0.1Ω) ±5%:±(3.0%+0.1Ω)
Load life	±1%:±(1.0%+0.1Ω) ±5%:±(3.0%+0.1Ω)
Single pulse	±(1.0%+0.1Ω)

Ordering Procedure (Example: PS05 1/3W 5% 120KΩ T/R-5000)



Remark: For more details, please check page 135, Part No. System

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Royalohm:

<u>PS02W8F1202TCE</u>	<u>PS02W8F1503TCE</u>	<u>PS02W8F2702TCE</u>	<u>PS02W8F5491TCE</u>	<u>PS02W8F820JTCE</u>
<u>PS02W8J0103TCE</u>	<u>PS03W4F100KT5E</u>	<u>PS03W4F1500T5E</u>	<u>PS03W4F1622T5E</u>	<u>PS03W4F2003T5E</u>
<u>PS03W4F2403T5E</u>	<u>PS03W4F330KT5E</u>	<u>PS03W4F4302T5E</u>	<u>PS03W4F4702T5E</u>	<u>PS03W4F510KT5E</u>
<u>PS03W4F7231T5E</u>	<u>PS03W4F8451T5E</u>	<u>PS03W4F910KT5E</u>	<u>PS03W4J0121T5E</u>	<u>PS03W4J0165T5E</u>
<u>PS03W4J0205T5E</u>	<u>PS03W4J0242T5E</u>	<u>PS03W4J0302T5E</u>	<u>PS03W4J039JT5E</u>	<u>PS03W4J0433T5E</u>
<u>PS03W4J0513T5E</u>	<u>PS03W4J0563T5E</u>	<u>PS03W4J0620T5E</u>	<u>PS03W4J0750T5E</u>	<u>PS05W3F1004T5E</u>
<u>PS05W3F1300T5E</u>	<u>PS05W3F140KT5E</u>	<u>PS05W3F1803T5E</u>	<u>PS05W3F2700T5E</u>	<u>PS05W3F3304T5E</u>
<u>PS05W3F3603T5E</u>	<u>PS05W3F4422T5E</u>	<u>PS05W3F6202T5E</u>	<u>PS05W3F7501T5E</u>	<u>PS05W3F820JT5E</u>
<u>PS05W3J0105T5E</u>	<u>PS05W3J0151T5E</u>	<u>PS05W3J0185T5E</u>	<u>PS05W3J0205T5E</u>	<u>PS02W8F1004TCE</u>
<u>PS02W8F2200TCE</u>	<u>PS02W8F3302TCE</u>	<u>PS02W8F4701TCE</u>	<u>PS02W8F6800TCE</u>	<u>PS02W8J0470TCE</u>
<u>PS03W4F110KT5E</u>	<u>PS03W4F120KT5E</u>	<u>PS03W4F1600T5E</u>	<u>PS03W4F2203T5E</u>	<u>PS03W4F2801T5E</u>
<u>PS03W4F300KT5E</u>	<u>PS03W4F3903T5E</u>	<u>PS03W4F499JT5E</u>	<u>PS03W4F560KT5E</u>	<u>PS03W4F6801T5E</u>
<u>PS03W4F750JT5E</u>	<u>PS03W4J0105T5E</u>	<u>PS03W4J0131T5E</u>	<u>PS03W4J0151T5E</u>	<u>PS03W4J0185T5E</u>
<u>PS03W4J0272T5E</u>	<u>PS03W4J033JT5E</u>	<u>PS03W4J036JT5E</u>	<u>PS03W4J0473T5E</u>	<u>PS03W4J0680T5E</u>
<u>PS03W4J0820T5E</u>	<u>PS03W4J0824T5E</u>	<u>PS03W4J0914T5E</u>	<u>PS05W3F1200T5E</u>	<u>PS05W3F1603T5E</u>
<u>PS05W3F2003T5E</u>	<u>PS05W3F2400T5E</u>	<u>PS05W3F3000T5E</u>	<u>PS05W3F3903T5E</u>	<u>PS05W3F470KT5E</u>
<u>PS05W3F510JT5E</u>	<u>PS05W3F6802T5E</u>	<u>PS05W3F910JT5E</u>	<u>PS05W3J0121T5E</u>	<u>PS05W3J0131T5E</u>
<u>PS05W3J0165T5E</u>	<u>PS05W3J0242T5E</u>	<u>PS05W3J0302T5E</u>	<u>PS05W3J033JT5E</u>	<u>PS05W3J039JT5E</u>
<u>PS05W3J0563T5E</u>	<u>PS05W3J0750T5E</u>	<u>PS05W3J0820T5E</u>	<u>PS06W2F1004T5E</u>	<u>PS06W2F130JT5E</u>
<u>PS06W2F1801T5E</u>	<u>PS06W2F2001T5E</u>	<u>PS06W2F2404T5E</u>	<u>PS06W2F3480T5E</u>	<u>PS06W2F390KT5E</u>