

Features

- Small size and lightweight with size range per int'l standard.
- Highly stable in auto-placement surface mounting application.
- Suitable for withstanding circuit for surge voltage.
- RoHS compliant & Halogen Free.
- Meet AEC-Q200, RoHS compliant & Halogen Free.

Applications

- CD-ROM.
- Power supply.
- Automotive industry.
- Measurement instrument.
- Medical equipment.
- Electronic watch and camera.

Part Number

Type	Size	Tolerance	Packing	-	GM
FPS	03: 0603 05: 0805 06: 1206 12: 1210 20: 2010 25: 2512	D: ±0.5% F: ±1% J: ±5%	T: Paper tape – 5 Kpcs V: Paper tape – 10 Kpcs W: Paper tape – 20 Kpcs P: Plastic tape – 4 Kpcs X: Plastic tape – 8 Kpcs Y: Plastic tape – 16Kpcs		473

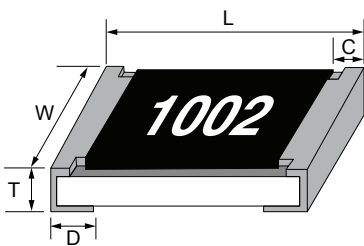
Rating

Type	Size	Power Rating at 70°C	Max. RCWV	Max. Overload Voltage	Resistance Tolerance (%)	Temperature Coefficient (TCR; ppm/°C)	Resistance Range		Standard Resistance Values*	
							Min.	Max.		
FPS03	0603	1/8W	50V	100V	±5%(J) ±1%(F) ±0.5%(D)	±200	1Ω	9.9Ω	E-24/96	
FPS05	0805	1/4W	150V	300V			±100	10Ω		1MΩ
FPS06	1206	1/2W	200V	400V						
FPS12	1210	1/2W	200V	400V						
FPS20	2010	1W	200V	400V						
FPS25	2512	2W	300V	600V						

* Special resistance please contact factory.

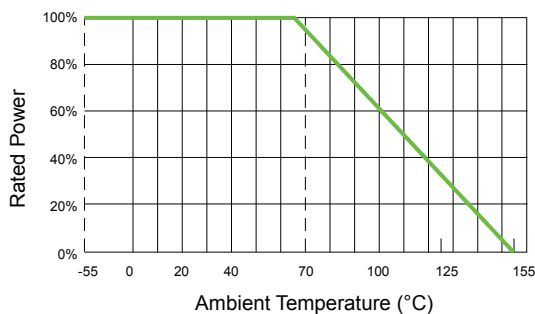
Dimension and Construction

unit: mm



Type	L	W	C	D	T
0603	1.60±0.10	0.80±0.10	0.30±0.20	0.30±0.15	0.45±0.10
0805	2.00±0.10	1.25±0.10	0.40±0.20	0.40±0.20	0.50±0.10
1206	3.10±0.10	1.60±0.10	0.50±0.20	0.50±0.20	0.55±0.10
1210	3.10±0.10	2.60±0.15	0.50±0.25	0.50±0.25	0.55±0.10
2010	5.00±0.20	2.50±0.20	0.60±0.25	0.60±0.25	0.55±0.10
2512	6.40±0.20	3.20±0.20	0.60±0.25	1.80±0.25	0.60±0.15

Power Derating Curve



Surge Performance

