FVS

Safety Certified Thick-Film Type High-Voltage Lead Free Chip Resistors

UL Certified No. E358325

Features

- Safety standard can meet IEC/EC 60950 2.5KV impulse and IEC/EC 60065 10KV impulse.
- Special material and design for high working voltage required.
- Compatible with flow and reflow soldering.
- Suitable for lead free soldering.
- Voltage Coefficient Resistance (VCR) ≤ ±300ppm/V.

Applications

- Power supply.
- Automotive industry.
- Measurement instrument.

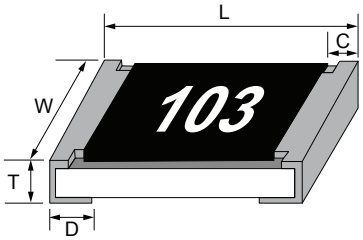
Part Number

Type	Size	Tolerance	Packing	-	GM
FVS	**03:** 0603 **05:** 0805 **06:** 1206 **20:** 2010 **25:** 2512	**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		**106**

Rating

Type	Size	Power Rating at 70°C	Max. RCWV	Max. Overload Voltage	Resistance Tolerance (%)	Temperature Coefficient (ppm/°C)	Resistance Range		Standard Resistance Values
							Min.	Max.	
FVS03	0603	1/10W	200V	400V	±1%(F)	±100	100KΩ	10MΩ	E96/E24
					±5%(J)	±200	100KΩ	22MΩ	E24
FVS05	0805	1/8W	400V	800V	±1%(F)	±100	100KΩ	10MΩ	E96/E24
					±5%(J)	±200	100KΩ	22MΩ	E24
FVS06	1206	1/4W	800V	1600V	±1%(F)	±100	100KΩ	10MΩ	E96/E24
					±1%(F)	±200	11MΩ	22MΩ	E24
					±5%(J)	±200	100KΩ	100MΩ	E24
FVS20	2010	1/2W	2000V	3000V	±1%(F)	±100	100KΩ	10MΩ	E96/E24
					±1%(F)	±200	11MΩ	22MΩ	E24
					±5%(J)	±200	100KΩ	100MΩ	E24
FVS25	2512	1W	3000V	4000V	±1%(F)	±100	100KΩ	10MΩ	E96/E24
					±1%(F)	±200	11MΩ	22MΩ	E24
					±5%(J)	±200	100KΩ	100MΩ	E24

Dimension and Construction



unit: mm

Type	L	W	C	D	T
FVS03	1.60±0.10	0.80±0.10	0.30±0.20	0.30±0.20	0.45±0.10
FVS05	2.00±0.10	1.25±0.10	0.40±0.20	0.40±0.20	0.50±0.10
FVS06	3.10±0.10	1.60±0.10	0.50±0.20	0.50±0.20	0.55±0.10
FVS20	5.00±0.20	2.50±0.20	0.65±0.25	0.60±0.25	0.60±0.10
FVS25	6.40±0.20	3.20±0.20	0.65±0.25	0.90±0.25	0.60±0.15

Power Derating Curve