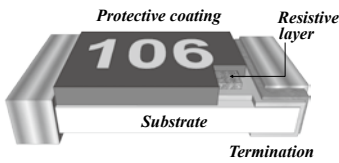


■ Safety Certified Thick-Film Type High-Voltage Lead Free Chip Resistors



FEATURES

- Special materials and design for higher working voltage required.
- Compatible with flow and reflow soldering.
- Suitable for lead free soldering.
- Voltage coefficient resistance 100ppm, Max. below 300ppm.
- Meet AEC-Q200, RoHS compliant & Halogen Free.
- Safety resistor certificate meet
 - ... UL/IEC 62368 Resistors requirements certificated.
 - ... UL/IEC 60950-1 certificated.
 - ... UL/IEC 60065., UL1676 qualified.

APPLICATION

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



PART NUMBER

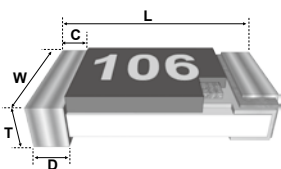
FVS	25	F	P	-	1004	-	M
Type □□□	Size □□	Tolerance □	Packing □	Watt □	R Value □□□□	TCR	Special Code
FVS Thick Film High Voltage UL Safety Certification	03 0603 05 0805 06 1206 20 2010 25 2512	F = ± 1% J = ± 5%	T = Paper tape – 5 Kpcs V = Paper tape – 10 Kpcs W = Paper tape – 20 Kpcs P = Plastic tape – 4 Kpcs X = Plastic tape – 8Kpcs Y = Plastic tape – 16Kpcs	"-" Standard	XXXX >=1R 1% 4 digit 5% 3 digit ("_" means a blank)	No special code- Null special code- "-"	"Null" Standard M: Meet AEC-Q200

RATING

Type	Normal Type Power Rating @ 70°C	Max. RCWW	Max. Overload Voltage	Resistance Tolerance (%)	Temperature Coefficient of Resistance (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
				± 5%(J)	± 200	11MΩ	22MΩ	E24
FVS20 2010	1/2W	2000V	3000V	± 1%(F)	± 100	100KΩ	10MΩ	E96/E24
				± 5%(J)	± 200	11MΩ	22MΩ	E24
FVS25 2512	1W	3000V	4000V	± 1%(F)	± 100	100KΩ	10MΩ	E96/E24
				± 5%(J)	± 200	11MΩ	22MΩ	E24

Note :
 (1) RCWW = (P × R)^{1/2} or Max. RCWW listed above, whichever is lower.
 RCWW : Rated Continue Working Voltage(V) · P : Rated Power(W) · R : Resistance Value(Ω)

DIMENSIONS

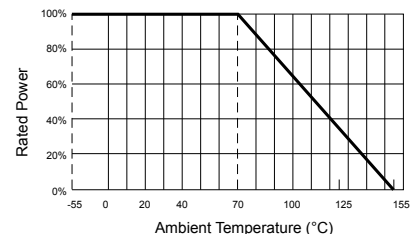


Type	L	W	C	D	T
FVS03	1.60 ± 0.10	0.80 ± 0.10	0.30 ± 0.20	0.30 ± 0.20	0.45 ± 0.10
FVS05	2.00 ± 0.10	1.25 ± 0.10	0.35 ± 0.20	0.40 ± 0.20	0.50 ± 0.10
FVS06	3.10 ± 0.10	1.60 ± 0.10	0.45 ± 0.20	0.50 ± 0.20	0.55 ± 0.10
FVS20	5.00 ± 0.20	2.50 ± 0.20	0.60 ± 0.25	0.60 ± 0.25	0.60 ± 0.10
FVS25	6.40 ± 0.20	3.20 ± 0.20	0.60 ± 0.25	0.90 ± 0.25	0.60 ± 0.15

unit: mm

Resistance value identify :
 Top side color is "Red" for identify high voltage product.

POWER DE-RATING CURVE



Operating Temperature Range: -55 to +155 deg.C

MLCC

Chip R

Coil