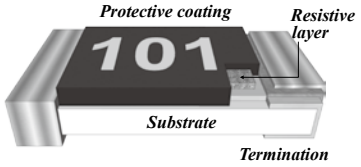
FGF

■ Non-Magnetic Lead Free Chip Resistors



FEATURES

- Non-Magnetic chip resistors by copper plating on middle termination.
- Non-Magnetic chip resistors pass 3000 gauss magnetic detection.
- Compatible with flow and reflow soldering.
- Suitable for lead free soldering.
- Meet RoHS compliant.
- RoHS compliant & Halogen Free.

APPLICATION

- Medical equipment.
- Automotive industry.
- MRI industry.
- Measurement instrument.

PART NUMBER

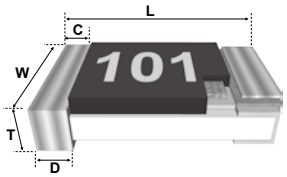
FGF	05	F	T	-	1002		
Type □□□	Size □□	Tolerance □	Packing □	Watt □	R Value □□□□	TCR	Special Code
FGF Thick Film Non-Magnetic	**03** 0603 **05** 0805 **06** 1206	**F** =±1% **J** =±5%	**T** =Paper tape – 5 Kpcs **V** =Paper tape – 10 Kpcs **W** =Paper tape – 20 Kpcs	**"–"** Standard	**XXXX** **>=1R** **1%** 4 digit **5%** 3 digit ("_" means a blank)	No special code- Null special code- "–"	**"Null"** Standard

RATING

Type		Normal Type Power Rating @ 70℃	Max. RCWV	Max. Overload Voltage	Resistance Tolerance (%)	Temperauture Coefficient of Resistance (TCR ; ppm/℃)	Resistance Range		Standard Resistance Values
							Min.	Max.	
FGF03	**0603**	1/10W	50V	100V	±1%(F)	±100	1Ω	10MΩ	E-96
					±5%(J)	±200	0Ω&1Ω	10MΩ	E-24
FGF05	**0805**	1/8W	150V	300V	±1%(F)	±100	1Ω	10MΩ	E-96
					±5%(J)	±200	0Ω&1Ω	10MΩ	E-24
FGF06	**1206**	1/4W	200V	400V	±1%(F)	±100	1Ω	10MΩ	E-96
					±5%(J)	±200	0Ω&1Ω	10MΩ	E-24

Jumper :
• 0603 size maximum resistance R_{max} < 50mΩ and rated current I_R ≦ 1A
• 0805, 1206 size maximum resistance R_{max} < 50mΩ and rated current I_R ≦ 2A
Note :
(1) RCWV = $(P \times R)^{1/2}$ or Max. RCWV listed above, whichever is lower.
RCWV：Rated Continue Working Voltage(V)，P：Rated Power(W)，R：Resistance Value(Ω)
(2) 1Ω~10Ω: Temperature Coefficient of Resistance for 0603, 0805, 1206 = -300 ~ +500

DIMENSIONS



unit: mm

Type	L	W	C	D	T
FGF03	1.60±0.10	0.80±0.10	0.30±0.20	0.30±0.20	0.45±0.10
FGF05	2.00±0.10	1.25±0.10	0.40±0.20	0.40±0.20	0.50±0.10
FGF06	3.10±0.10	1.60±0.10	0.50±0.20	0.50±0.25	0.55±0.10

POWER DE-RATING CURVE