

PFR/GFR series, Thick Film chip resistors



A temperature coefficient of resistance of $\pm 100\text{ppm}/^\circ\text{C}$ has been achieved for resistance value greater than $1\text{M}\Omega$.
High reliability is maintained: the electrode construction is the same as our thin film chip resistors.

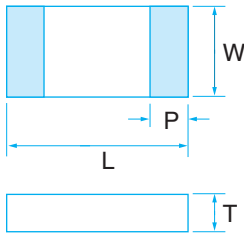
NEW PFR03 series with ultra small size chip resistor.

RoHS compliant



SPECIFICATIONS

Mechanical



Dimension (Inch Size)	PFR03 (0201)	PFR05,GFR05 (0402)
L	0.60 ± 0.03	1.00 ± 0.05
W	0.30 ± 0.03	0.50 ± 0.05
P	0.12 ± 0.05	0.20 ± 0.10
T	0.23 ± 0.03	0.35 ± 0.05

(unit : mm)

Electrical

Type	PFR03						PFR05			GFR05	
Power	1/20W					Jumper	1/16W			Jumper	1/16W
Tolerance %(code)	±1%(F)		±5%(J)	±2%(G)±5%(J)		—	±0.5%(D) ±1%(F)		±1%(F)	—	±1%(F) ±5%(J)
Resistance Range(Ω)	10~91	100~1M	3.0~9.1	10~91	100~10M	50m or less	10~97.6	100~1M	1.02M~10M	50m or less	10~10M
TCR ppm /°C(code)	±300 (S)	±200 (S)	+600~ -200(S)	±300 (S)	±200 (S)	—	±100 (R)	±50 (Q)	±100 (R)	—	±200 (S)
Resistance Value	E-24/E-96		E-24			—	E-24/E-96			—	E-24/E-96
Max Operating Voltage	25V					1A	50V			—	50V
Package	15,000pcs/reel or 10,000pcs/reel						10,000pcs/reel			10,000pcs/reel	

- Please contact us for values lower in resistance than the 10Ω GFR05 series.
- Contact us for lead free glass coat products.



PART NUMBER

PFR05 R - 102 - D - (2) - (T15)

Package : PFR03 "T15" to be added for 15,000pcs/reel

Electrode materials : 1(Pb/Sn), 2(Sn)

Resistance Tolerance J(jumper)

Resistance : E-24, E-96, jumper

Temperature Coefficient of Resistance J(jumper)

Part Code