

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.

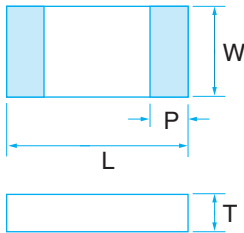
NEW PFR03 series with ultra small size chip resistor.

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		
	1/20W				Jumper	1/16W		Jumper	1/16W		
Power											
Tolerance %(code)	$\pm 1\%$ (F)	$\pm 5\%$ (J)	$\pm 2\%$ (G) $\pm 5\%$ (J)		—	$\pm 0.5\%$ (D) $\pm 1\%$ (F)	$\pm 1\%$ (F)	—	$\pm 1\%$ (F) $\pm 5\%$ (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 / $^\circ\text{C}$ (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 $10\ \Omega$ GFR05 series.
- Contact us for lead free glass coat products.



PART NUMBER

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

