

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.

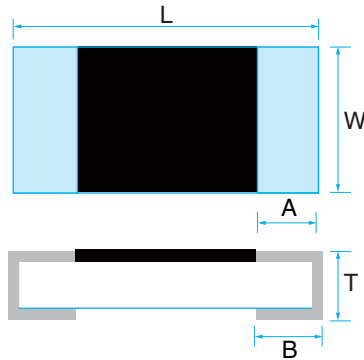
Environmentally friendly products: lead free glass coating and halogen free overcoating.

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
A	0.10 ± 0.05	0.20 ± 0.10
B	0.15 ± 0.05	0.25 ± 0.05
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)	$\pm 1\%$ (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)	$\pm 600 \sim -200$ (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)

