

# 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.

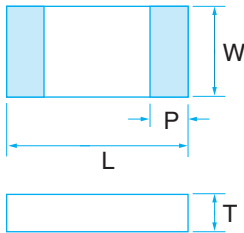
**NEW** PFR03 series with ultra small size chip resistor.

RoHS compliant



## SPECIFICATIONS

### Mechanical



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

(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( $\Omega$ )	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)	$\pm 300$ (S)	$\pm 200$ (S)	+600~ -200(S)	$\pm 300$ (S)	$\pm 200$ (S)	—	$\pm 100$ (R)	$\pm 50$ (Q)	$\pm 100$ (R)	—	$\pm 200$ (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)**

