

# PFR/GFR series, Thick Film chip resistors



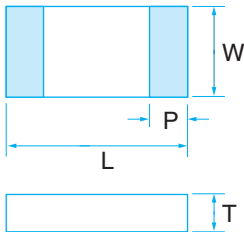
A temperature coefficient of resistance of  $\pm 100\text{ppm}/^\circ\text{C}$  has been achieved for resistance value greater than  $1\text{M}\ \Omega$ .  
High reliability is maintained: the electrode construction is the same as our thin film chip resistors.

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



## SPECIFICATIONS

### Mechanical



Dimension (mm)	PFR03 <b>NEW</b>	PFR05,GFR05
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	$0.23 \pm 0.03$	$0.35 \pm 0.05$

### Electrical

Type	PFR03 <b>NEW</b>					Jumper	PFR05			GFR05	
	1/20W						1/16W			Jumper	1/16W
Resistance 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
Temperature Coefficient of Resistance 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
Maximum 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.



## PART NUMBER

**PFR05 R - 102 - D - 2**

