

Thick film chip resistors

■ PFR series and GFR series

Features

- TCR +/-100ppm/°C is realized for resistors over 1MΩ
- The same terminal structure as thin film counterparts assures reliability
- In consideration of the environment, the glass passivation is Pb free and the resin passivation is halogen free.



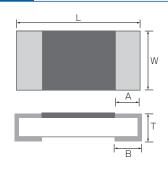




Specifications

*E-24 series are standard stock items. E-96 series are made to order.

Dimensions



Dimension (mm)	PFR02S (01005S)	PFR03S (0201S)	PFR05,GFR05 (0402)
L	0.40±0.02	0.60±0.03	1.00±0.05
W	0.20±0.02	0.30±0.03	0.50±0.05
Т	0.13±0.02	0.23±0.03	0.35±0.05
А	0.10±0.03	0.10±0.05	0.20±0.10
В	0.10±0.03	0.15±0.05	0.25±0.05

Electrical characteristics

Series nam	ne PFR02S					PFR03S						PFR05				GFR05		
Power		Jumper	1/32W		Jumper		1/20W				Jumper	1/16W			Jumper	1/16 W		
E series offered		_	E-24	E-24,E96 E-24		_	E-24	E-24,E96			E-24	_	E-24, E-96			_	E-24, E-96	
Resistance range (Ω)		50m or less	1.0 ~ 9.1	10~ 91	100~ 1.62M	100 ~ 10M	50m or less	1.0 ~ 9.1	10~ 91	100 ~ 100K	100 ~ 1 M	100 ~ 10M	50m or less	10 ~ 97.6	100 ~ 1M	1.02 ~ 10M	50m or less	10 ~ 10M
tolerance (%)	±0.5%(D)		_	_	_	_		_	_	0	_	_		0	0	_		0
	±1.0%(F)	_	_	0	0	_	_	0	0	_	0	_	-	0	0	0	-	0
	±2.0%(G)		_	_	_	0		_	_	_	_	0		_	_	_		_
	±5.0%(J)		0	_	_	0		0	_	_	_	0		_	_	_		_
(ppm/°C)	±50	_ _ _ _	_	_	_	_	_	_	_	_	_	_	_	_	0	_	_	_
			_	_	-	_		_		_	_	_		\circ	_	0		
	±200		_	_	0	0		_	-	0	0	0		_	_	_		0
	±300		_	0	_	_		_	0	_	_	_		_	_	_		
	+600~-200		0	_	_	_		0	_	_	_	_		_	_	_		_
Maximum voltage		0.5 A	A 15V				1A	1A 25V					1A	50V			1A	50V
Operating temperature		-55°C~125°C																
Packaging -	10,000pcs		_				0					0				0		
	20,000pcs		0				_					_				_		

Part numbering system

