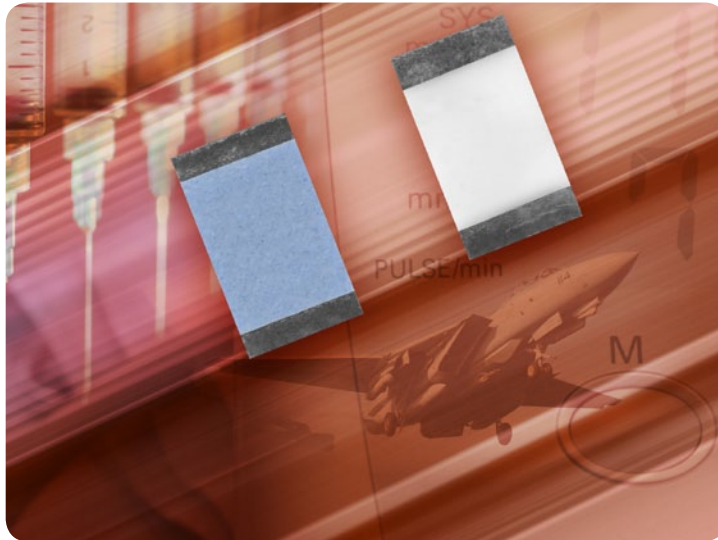


ESCC (Ⓢ) 4001/023 Qualified R Failure Rate High Precision (10 ppm/°C, 0.05 %) Thin Film Chip Resistors



KEY BENEFITS

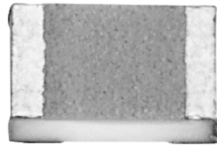
- ESA qualified
- R Failure rate SMD chip resistor
- TCR to 10 ppm (- 55 °C; + 155 °C)
- Tolerances down to 0.05 %
- Load life stability: less than 0.25 % at P_n at 70 °C after 2000 hours
- Resistance range: 100R to 3M01

RESOURCES

- Datasheet: PFRR - <http://www.vishay.com/doc?53046>
- For technical questions contact sfer@vishay.com



ESCC (Ⓢ) 4001/023 Qualified R Failure Rate High Precision (10 ppm/°C, 0.05 %) Thin Film Chip Resistors



Vishay Sfernice Thin Film division holds ESCC QML qualification (ESCC technology flow qualification).

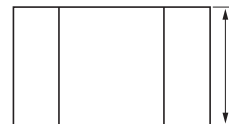
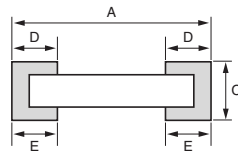
These HiRel components are ideal for low noise and precision applications, superior stability, low temperature coefficient of resistance, and low voltage coefficient, VISHAY SFERNICE's precision thin film wraparound resistors exceed requirements of MIL-PRF-55342G characteristics Y (± 10 ppm/°C).

FEATURES

- Load life stability at ± 70 °C for 2000 h: 0.25 % under Pn
- Temperature coefficient to: 10 ppm/°C
- Very low noise (< 35 dB) and voltage coefficient (< 0.01 ppm/V)
- Resistance range: 100 Ω to 3.01 M Ω (depending on size)
- Tolerances down to 0.05 %
- SnPb terminations over nickel barrier
- ESCC 4001 (generic spec)
- ESCC 4001/023 (detailed spec)
- ESCC qualified
- R failure rate (0.01 % per 1000 h)
- SMD wraparound chip resistor
- Halogen-free according to IEC 61249-2-21

HALOGEN
FREE

DIMENSIONS



CASE SIZE	DIMENSIONS in millimeters			
	A MAX. TOL. + 0.64 MIN. TOL. - 0.13	B MAX. TOL. + 0.26 MIN. TOL. - 0.13	C MAX. TOL. + 0.64 MIN. TOL. - 0.13	D/E MAX. TOL. + 0.13 MIN. TOL. - 0.13
0603	1.52	0.75	0.38	0.38
0805	1.91	1.27	0.38	0.38
1206	3.00	1.60	0.38	0.38
2010	5.08	2.54	0.38	0.58

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: PFRR0603Y1003BBT (preferred part number format)

P	F	R	R	0	6	0	3	Y	1	0	0	3	B	B	T
TYPE		TCR		OHMIC VALUE				TOLERANCE		TERMINATION			PACKAGING		
PFRR0603 PFRR0805 PFRR1206 PFRR2010		Y = ± 10 ppm/°C E = ± 25 ppm/°C		The first three digits are significant figures and the last digit specifies the number of zero to follow. Example: 3901 = 3900 Ω 1004 = 1 M Ω				W = ± 0.05 % B = ± 0.10 %		B: SnPb over nickel barrier			T: For tape and reel (Leave blank for waffle pack)		

Revision 21-Jan-10