

THICK FILM TRIMMABLE CHIP RESISTORS



FCR 10, 18, 14, 12, 01

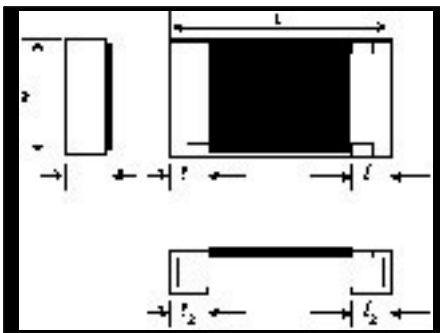
LEADFREE
RoHS Compliant

The importance of final adjustment of critical electrical circuit values continues to increase as products become more sophisticated. MEGASTAR-OHM's trimmable chip resistors have been developed for this final resistor adjustment in the circuit application by the circuit board manufacturer.

FEATURES

1. Excellent solderability with all soldering methods.
2. Available in 0805, 1206, 1210, 2010 and 2512 size packages
3. Operating temperatures range from -55 to 125°C.
4. Resistance range from 10 ohm to 1 Megohm
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5. Laser trimmable in circuit
6. Tolerances of $\pm 15\%$ and $+0/-30\%$
7. Temperature coefficients of $\pm 200\text{ppm}/^\circ\text{C}$

DIMENSIONS



TYPE (size)	FCR10 (0805)	FCR18 (1206)	FCR 14 (1210)	FCR12 (2010)	FCR01 (2512)
L	2.0±0.15	3.1±0.1	3.1±0.1	5.0±0.2	6.3±0.2
W	1.25± ^{0.1} _{0.05}	1.55± 0.1	2.55± 0.1	2.5± 0.2	3.15± 0.2
H	0.5± ^{0.1} _{0.05}	0.55± ^{0.1} _{0.05}	0.55± ^{0.1} _{0.05}	0.55±0.1	0.55±0.1
l ₁	0.4±0.2	0.45±0.2	0.45±0.2	0.6±0.2	0.6±0.2
l ₂	0.3± ^{0.2} _{0.1}	0.3± ^{0.2} _{0.1}	0.3± ^{0.2} _{0.1}	0.6±0.2	0.6±0.2
Unit Weight	5 mg	9 mg	16 mg	25 mg	40 mg

Part Numbering System

FCR 10 — R XXX L T

Product Type
Trimmable Chip Resistor

CODE	WATTAGE (SIZE)
10	1/10 watt (0805)
18	1/8 watt (1206)
14	1/4 watt (1210)
12	1/2 watt (2010)
01	1 watt (2512)

PWR. RATING @ 70°C	
CODE	DETAIL
R	Regular
D	Dual Rated

Resistance Value E12	
CODE	VALUES
100	10 OHM
105	1 Meg OHM

3 significant digits plus multiplier

First two (2) digits are significant figures and third digit is number of zeros.
Letter "R" indicates decimal values under 100 ohms.

TOLERANCE	
CODE	%
L	±15%
S	+0%, -30%

Packaging	
CODE	DETAIL
B	Bulk
T	Tape & Reel (paper carrier)
TE	Tape & Reel (plastic carrier)
Please refer to packaging explanation on page 6.	

Standard Resistance Values E12

E ₁₂ VALUES	10	12	15	18	22	27	33	39	47	56	68	82

