

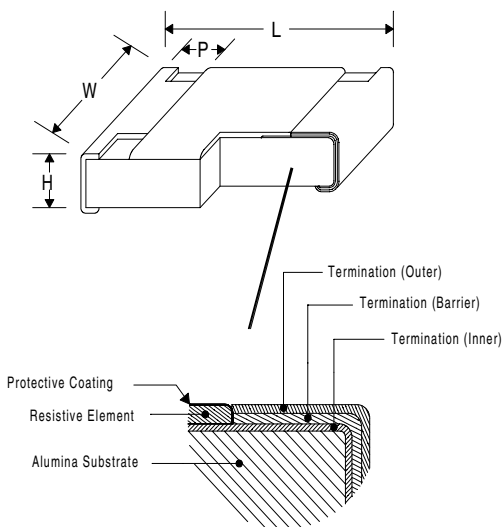
PRODUCT BULLETIN



CRF-SERIES Thick Film Fractional Ohm Resistors

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- STANDARD INDUSTRY CASE SIZES
0603 0805 1206 1210 2010 2512
- POWER RATINGS 1/10W, 1/8W, 1/4W,
1/3W, 1/2W, 3/4W & 1W
- TCR ± 100 , ± 300 , & ± 600 PPM/ $^{\circ}$ C
- TOLERANCE 1%, 2% & 5%
- LOW INDUCTANCE
- WRAP AROUND TERMINATION
- TERMINATION BARRIER FOR
INNER ELECTRODE PROTECTION
- STABLE CURRENT DETECTING RESISTOR
- AVAILABLE IN E24 VALUES



DEDICATION TO EXCELLENCE

Dimensions

TYPE	INCHES MILLIMETERS			
	L	W	H	P
CRF 0603	0.063 \pm 0.004 (1.60 \pm 0.10)	0.031 \pm 0.004 (0.08 \pm 0.10)	0.020 \pm 0.004 (0.50 \pm 0.10)	0.008 \pm 0.004 (0.20 \pm 0.10)
CRF 0805	0.079 \pm 0.006 (2.00 \pm 0.15)	0.049 \pm 0.006 (1.25 \pm 0.15)	0.020 \pm 0.006 (0.50 \pm 0.15)	0.016 \pm 0.010 (0.40 \pm 0.25)
CRF 1206	0.126 \pm 0.006 (3.20 \pm 0.15)	0.063 \pm 0.006 (1.60 \pm 0.15)	0.024 \pm 0.006 (0.60 \pm 0.15)	0.020 \pm 0.010 (0.50 \pm 0.25)
CRF 1210	0.126 \pm 0.006 (3.20 \pm 0.15)	0.098 \pm 0.006 (2.50 \pm 0.15)	0.022 \pm 0.006 (0.56 \pm 0.15)	0.020 \pm 0.010 (0.50 \pm 0.25)
CRF 2010	0.200 \pm 0.006 (5.00 \pm 0.15)	0.100 \pm 0.006 (2.50 \pm 0.15)	0.022 \pm 0.006 (0.56 \pm 0.15)	0.024 \pm 0.010 (0.60 \pm 0.25)
CRF 2512	0.250 \pm 0.006 (6.30 \pm 0.15)	0.126 \pm 0.006 (3.20 \pm 0.15)	0.022 \pm 0.006 (0.56 \pm 0.15)	0.024 \pm 0.010 (0.60 \pm 0.25)

Operating Temperature Range is -55° C to $+125^{\circ}$ C

Electrical Characteristics

PRP TYPE	CRF 0603	CRF 0805	CRF 1206	CRF 1210	CRF 2010	CRF 2512
Power Rating at 70° C	1/10W	1/8W	1/4W	1/3W *	3/4W	1W
Derated to 0 Load at	$+125^{\circ}$ C					
Resistance Range	(E24 Values) **					
Temperature Coefficient	± 100 PPM/ $^{\circ}$ C	± 200 PPM/ $^{\circ}$ C	± 300 PPM/ $^{\circ}$ C	± 600 PPM/ $^{\circ}$ C	**	
Resistance Tolerance	$\pm 1\%$ $\pm 2\%$ $\pm 5\%$ **					

* Available in 1/2W Power Rating

** Consult factory for available options

How to Order

Specifying the nominal resistance shall be as in EXAMPLE 1.

EXAMPLE 1 = 0.1R
= 0.47R

If the resistance value is under 0.1 nominal resistance shall be as specified in EXAMPLE 2.

EXAMPLE 2 = 0.05R
= 0.075R

Sample Part Number

CRF	0805	T200	0.47R	$\pm 1\%$	
					Resistance Tolerance
					Resistance Value
					Temperature Coefficient
					Case Size
					Type