

- Features:
- YAG laser user-trimmable in circuit
 - Available in a variety of pre-trim tolerance ranges
 - TCR of $\pm 200\text{ppm}/^\circ\text{C}$
 - RoHS compliant



Electrical Specifications					
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage (V) ⁽¹⁾	Maximum Overload Voltage (V)	Resistance Temperature Coefficient	Ohmic Range (Ω)
FCR0402	0.063W	50V	100V	$\pm 200\text{ ppm}/^\circ\text{C}$	10 - 1M
FCR0603	0.1W	50V	100V		
FCR0805	0.125W	100V	200V		
FCR1206	0.25W	200V	400V		
FCR1210	0.33W	200V	400V		
FCR2010	0.75W	200V	400V		
FCR2512	1W	200V	400V		

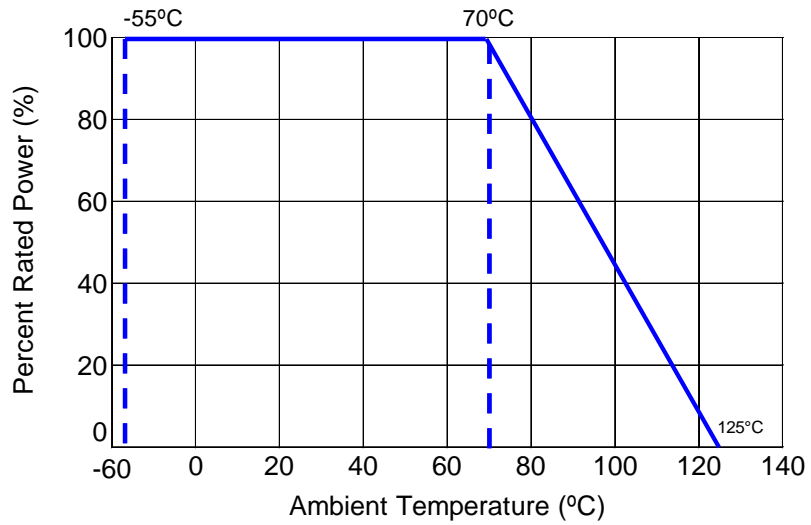
(1) Lesser of $\sqrt{P \cdot R}$ or maximum working voltage.

Mechanical Specifications						
Type / Code	L Body Length	W Body Width	H Body Height	a Top Termination	b Bottom Termination	Unit
FCR0402	0.039 \pm 0.002 1.00 \pm 0.05	0.020 \pm 0.002 0.50 \pm 0.05	0.014 \pm 0.002 0.35 \pm 0.05	0.008 \pm 0.004 0.20 \pm 0.10	0.010 \pm 0.004 0.25 \pm 0.10	inches mm
FCR0603	0.063 \pm 0.006 1.60 \pm 0.15	0.031 \pm 0.006 0.80 \pm 0.15	0.018 \pm 0.004 0.45 \pm 0.10	0.012 \pm 0.008 0.30 \pm 0.20	0.012 \pm 0.008 0.30 \pm 0.20	inches mm
FCR0805	0.079 \pm 0.008 2.00 \pm 0.20	0.049 \pm 0.004 1.25 \pm 0.10	0.020 \pm 0.004 0.50 \pm 0.10	0.016 \pm 0.008 0.40 \pm 0.20	0.016 \pm 0.008 0.40 \pm 0.20	inches mm
FCR1206	0.126 \pm 0.010 3.20 \pm 0.20	0.063 \pm 0.010 1.60 \pm 0.15	0.024 \pm 0.004 0.60 \pm 0.10	0.020 \pm 0.010 0.50 \pm 0.25	0.020 \pm 0.012 0.50 \pm 0.30	inches mm
FCR1210	0.126 \pm 0.008 3.20 \pm 0.20	0.098 \pm 0.008 2.50 \pm 0.20	0.024 \pm 0.004 0.60 \pm 0.10	0.020 \pm 0.010 0.50 \pm 0.25	0.020 \pm 0.008 0.50 \pm 0.20	inches mm
FCR2010	0.197 \pm 0.006 5.00 \pm 0.15	0.098 \pm 0.006 2.50 \pm 0.15	0.024 \pm 0.004 0.60 \pm 0.10	0.024 \pm 0.010 0.60 \pm 0.25	0.024 \pm 0.010 0.60 \pm 0.25	inches mm
FCR2512	0.248 \pm 0.008 6.30 \pm 0.20	0.126 \pm 0.008 3.20 \pm 0.20	0.024 \pm 0.004 0.60 \pm 0.10	0.028 \pm 0.008 0.70 \pm 0.20	0.028 \pm 0.008 0.70 \pm 0.20	inches mm

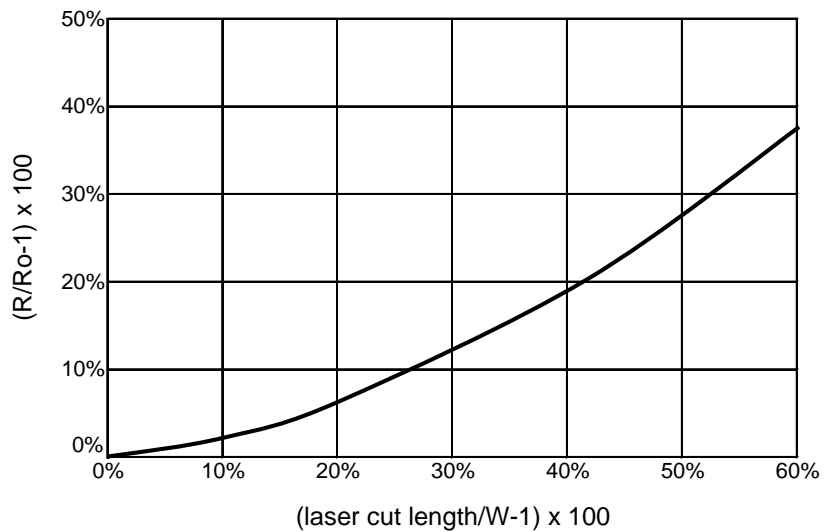
Performance Characteristics	
Test	Test Results (JIS C 5202)
Load Life in Moisture	±3%
Temperature Cycle	±1%
Load Life	±3%
Resistance to Solder Heat	±1%
Terminal Adhesion	±1%
Short Time Overload	±2%

Operating Temperature Range: -55°C to +125°C

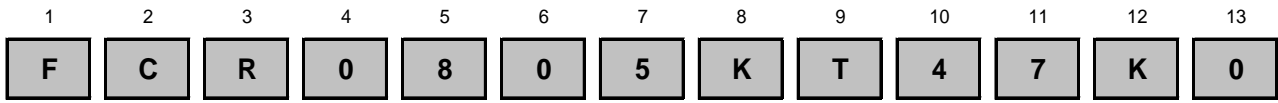
Power Derating Curve:



Trimming Ratio Curve:



How to Order



Product Series		Size	Power	Tolerance			Packaging				Resistance Value
FCR	Trimmable			Code	Tol	Value	Code	Description	Size	Quantity	
		0402	0.063W	K	±10	E24	T	7" Reel - Paper Tape	0402	10,000	Four characters with the multiplier used as the decimal holder. 10 ohm = 10R0 10 Kohm = 10K0 1 Mohm = 1M00
		0603	0.1W	L	±15						
		0805	0.125W	M	±20			7" Reel - Plastic Tape	1206, 1210		
		1206	0.25W	N	±30				2010, 2512	4,000	
		1210	0.33W	S	0 ~ -5%						
		2010	0.75W	U	0 ~ -10%						
		2512	1W	V	0 ~ -20%						
				W	0 ~ -30%						