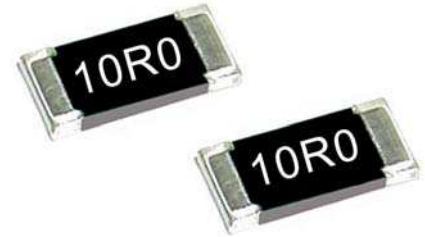
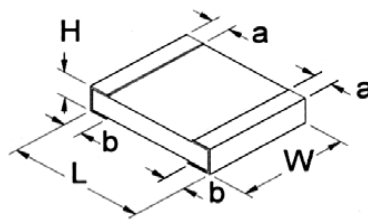


- Features:
- YAG laser user-trimmable in circuit
 - Available in a variety of pre-trim tolerance ranges
 - TCR of $\pm 200 \text{ ppm}/^\circ\text{C}$
 - RoHS compliant / lead-free



Electrical Specifications						
Type / Code	Old Package Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage(1)	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω)
FCR0402	1/16S	0.063W	50V	100V	$\pm 200 \text{ ppm}/^\circ\text{C}$	10 - 1M
FCR0603	1/16	0.1W	50V	100V	$\pm 200 \text{ ppm}/^\circ\text{C}$	10 - 1M
FCR0805	1/10	0.125W	100V	200V	$\pm 200 \text{ ppm}/^\circ\text{C}$	10 - 1M
FCR1206	1/8	0.25W	200V	400V	$\pm 200 \text{ ppm}/^\circ\text{C}$	10 - 1M
FCR1210	1/4	0.33W	200V	400V	$\pm 200 \text{ ppm}/^\circ\text{C}$	10 - 1M
FCR2010	1/2	0.75W	200V	400V	$\pm 200 \text{ ppm}/^\circ\text{C}$	10 - 1M
FCR2512	1	1W	200V	400V	$\pm 200 \text{ ppm}/^\circ\text{C}$	10 - 1M

(1) Lesser of $\sqrt{\text{PR}}$ or maximum working voltage.

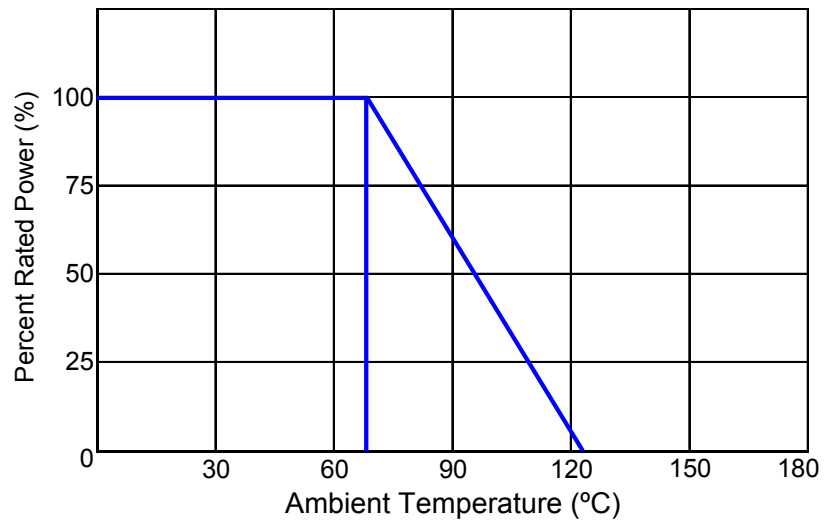


Mechanical Specifications						
Type / Code	L Body Length	W Body Width	H Body Height	a Top Termination	b Bottom Termination	Unit
FCR0402	0.039 \pm 0.002	0.020 \pm 0.002	0.014 \pm 0.002	0.008 \pm 0.004	0.010 \pm 0.002 / -0.004	inches
	1.00 \pm 0.05	0.50 \pm 0.05	0.35 \pm 0.05	0.20 \pm 0.10	0.25 \pm 0.05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

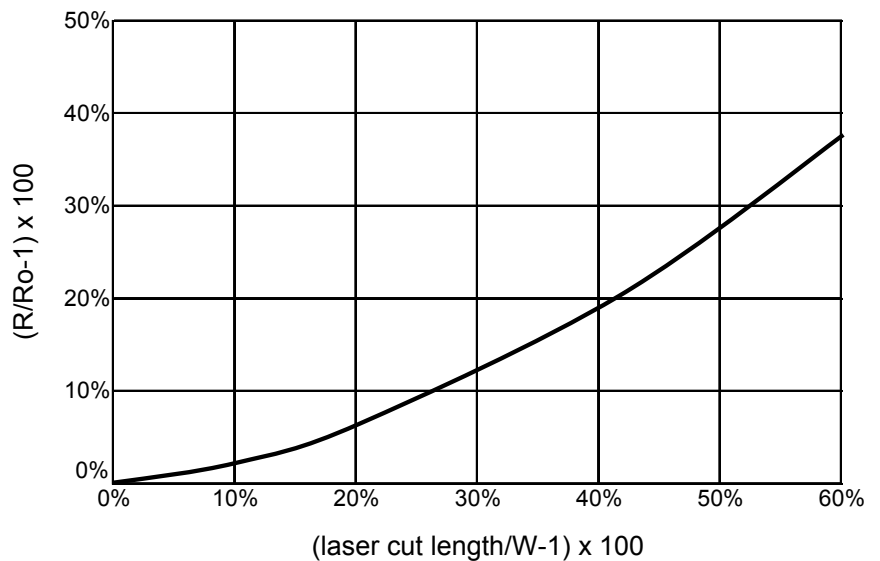
Performance Characteristics	
Test	Test Results (JIS C 5202)
Load Life in Moisture	±3%
Temperature Cycle	±1%
Load Life	±3%
Resistance to Solder Heat	±1%
Terminal Adhesion	±1%
Short Time Overload	±2%

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

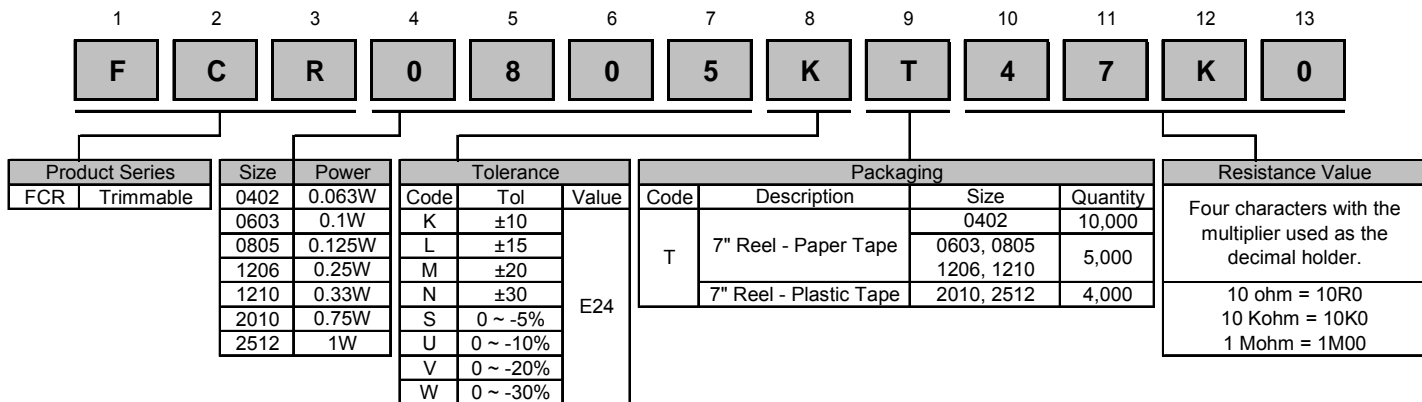
Power Derating Curve:



Trimming Ratio Curve:



How to Order



Legacy Part Number (before January 3, 2011):

