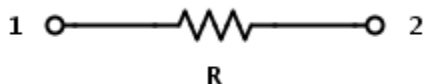


Ceramic 0603 Flip Chip Resistor

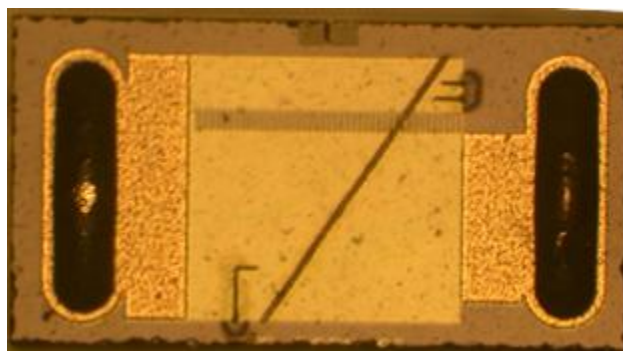
OnChip's FERN306 flip chip resistor offers a precise 1 channel resistor using advanced Thin Film manufacturing technology. The 0603 Flip Chip allows for direct placement of the resistor onto external circuitry by means of solder reflow. The package offers a 1.2mm pitch that is designed to mount according to IPC-7351 SMD and Land Pattern Standard. This device is RoHS compliant.

Electrical Characteristics	
Resistance Range	10Ω – 500Ω
Operating Temperature Range	-55°C to 150°C
Maximum Power Rating	100mW
Voltage	100V
Noise, Maximum (MIL-STD-202, Method 308)	-25dB
Absolute Tolerance at 25°C (optional)	± 0.1%
Temperature Coefficient of Resistance, ppm/°C	± 25
Typical Tracking TCR, ppm/°C	± 5
Power Dissipation @ 70°C	1W

Electrical Schematic and Picture



Resistor Schematic



FERN306 Flip Chip

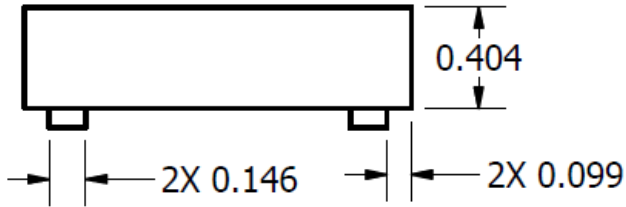
Mechanical Characteristics	
Package Type	2 Lead FlipChip
Substrate Material	Ceramic
Resistor Material	Tantalum Nitride
Flammability	UL94V-0
Bump Material	SnAgCu

Ordering Information

Part Number Designation			
Series	Resistor Value	Tolerance	TCR
FCRN306-	First 3 digits are significant value. Last digit represents number of zeros. (Ex: 1001 = 1kΩ). R indicates decimal point. (Ex: 10R0 = 10Ω)	C = ±0.1%	No Letter = ±250ppm/°C
		D = ±0.5%	H = ±100ppm/°C
		F = ±1%	A = ±50ppm/°C
		G = ±2%	B = ±25ppm/°C
		J = ±5%	
		K = ±10%	
		M = ±20%	

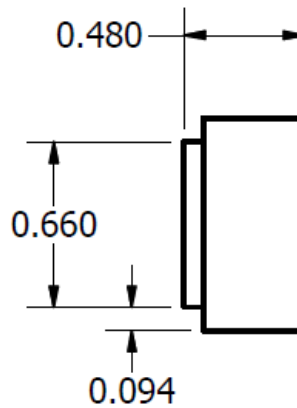
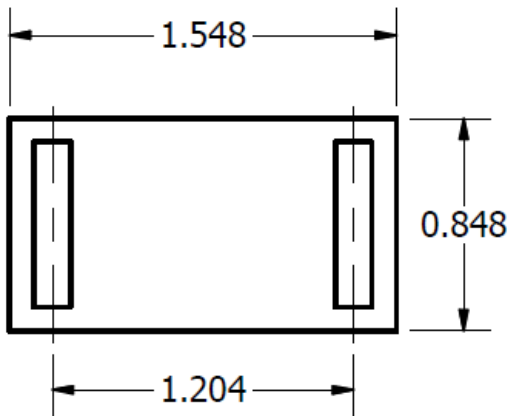
Example Part Number: FCRN306-1002JA is a 10kΩ resistor with ±5% tolerance, and ±50ppm/°C TCR.

Device Dimensions



ALL DIMENSIONS IN MM

SIDE VIEW



BOTTOM VIEW

RIGHT VIEW