

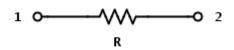


Ceramic 0805 Flip Chip Resistor

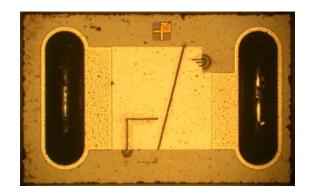
OnChip's FCRN317 flip chip resistor offers a precise 1 channel resistor using advanced Thin Film manufacturing technology. The 0805 Flip Chip allows for direct placement of the resistor onto external circuitry by means of solder reflow. The package offers a 1.5mm pitch that is designed to mount according 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



Resistor Schematic



FCRN317 Flip Chip

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

Ordering Information

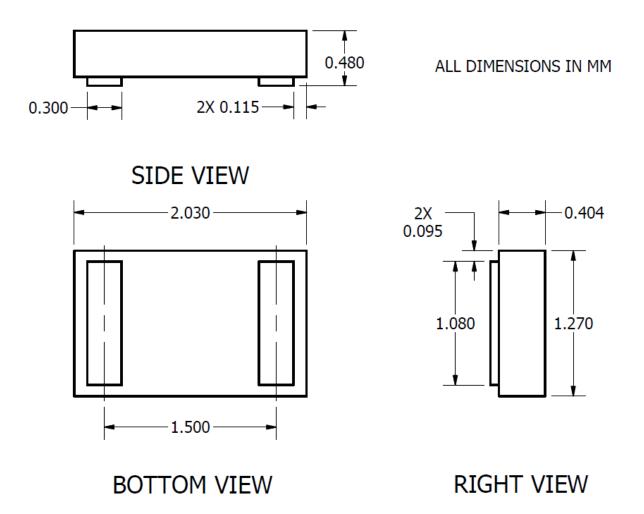
Part Number Designation				
Series	Resistor Value	Tolerance	TCR	
FCRN317- FCRN317- FCRN317- FCRN317- FCRN317- FCRN317- First 3 digits are significant value. Last digit represents number of zeros. (Ex: 1001 = 1kΩ). R indicates decimal point. (Ex: 10R0 = 10Ω)	C = ±0.1%	No Letter = ±250ppm/°C		
	D = ±0.5%	$H = \pm 100 ppm/°C$		
	5	F = ±1%	A = ±50ppm/°C	
		G = ±2%	B = ±25ppm/°C	
	indicates decimal	J = ±5%		
	· ·	K = ±10%		
		M = ±20%		

<u>Example Part Number</u>: FCRN317-1002KH is a 10kΩ resistor with ±10% tolerance, and ±100ppm/°C TCR.



FCRN317

Device Dimensions



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