

## 静電気素子



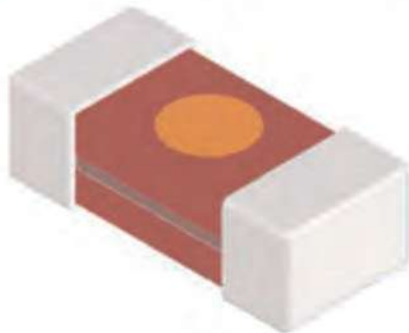
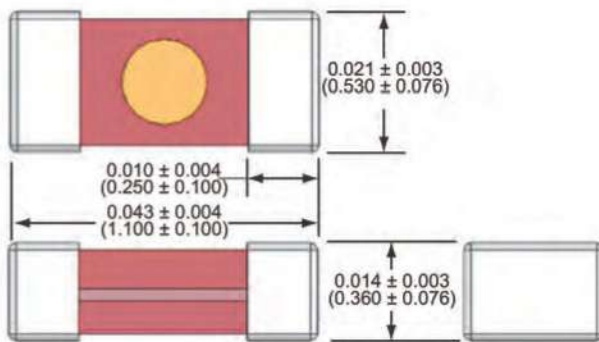
### 特性 FEATURES :

- \* 1005 mmサイズ [ 0402" Size ]
- \* RoHS 適合品 RoHS-Compliant Products
- \* 鉛フリー / ハロゲンフリー Pb-Free / Halogen Free
- \* 両極性 Bi-directional
- \* 非常に低いキャパシタンス (0.05pF) Ultra-low Capacitance
- \* 高速応答性 (<1nS) Fast Response Time
- \* 低い漏れ電流 (<0.1nA) Low Leakage Current

## 1005 SGX

製品名 : 1005 SGX

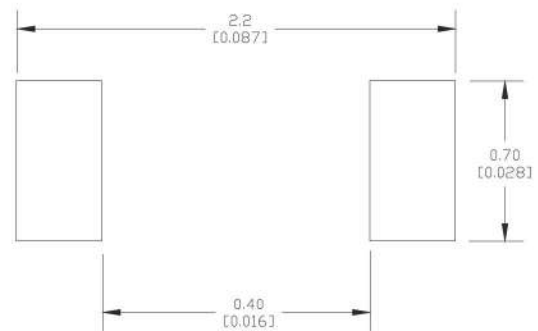
寸法 DIMENSIONS:



推奨半田パッド寸法

PAD PATTERN:

Recommended Pad Layout



単位 Unit : mm [インチ Inches]



### Specifications

Characteristic	Value
Rated Voltage	30Vdc maximum
Clamping Voltage <sup>1</sup>	35V typical
Trigger Voltage <sup>2</sup>	300V typical
Capacitance (@1MHz)	0.05pF typical, 0.15pF maximum
Attenuation Change (0-6GHz)	-0.2dB typical
Leakage Current (@12Vdc)	<0.1nA typical
ESD Capability	
• IEC61000-4-2 Direct Discharge	8kV typical
• IEC61000-4-2 Air Discharge	15kV typical
ESD Pulse Withstand <sup>3</sup>	>1000 typical

1 Per IEC61000-4-2, Level 4 waveform (8kV direct, 30A) measured 30ns after initiation of pulse.

2 Trigger measurement made using Transmission Line Pulse (TLP) method.

3 Minor shifting in characteristics may be observed over multiple ESD pulses at very rapid rate