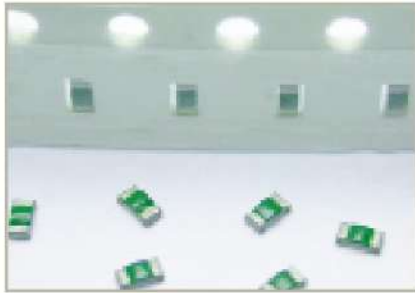


静電気素子



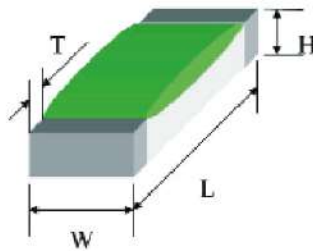
特性 FEATURES :

- * 1608 mmサイズ [0603" 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 (0.15pF Max.) Ultra-low Capacitance
- * 高速応答性 Fast Response Time
- * 低い漏れ電流 (<0.1nA) Low Leakage Current

1608 SGX

製品名 : 1608 SGX

寸法 DIMENSIONS:



単位 Unit : mm [インチ Inches]

EIA Size	L	W	* H	T
0603ESDA	1.60±0.15 (0.063±0.006)	0.80±0.10 (0.031±0.004)	0.60±0.10 (0.024±0.004)	0.31±0.21 (0.012±0.008)

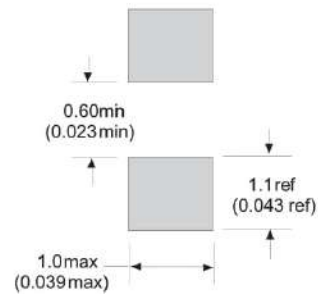
* H : 素子の厚さ (最大) The maximum thickness of Device.

推奨半田パッド寸法

PAD PATTERN:

Recommended Pad Layout - in (mm)

(per IPC-SM-782)

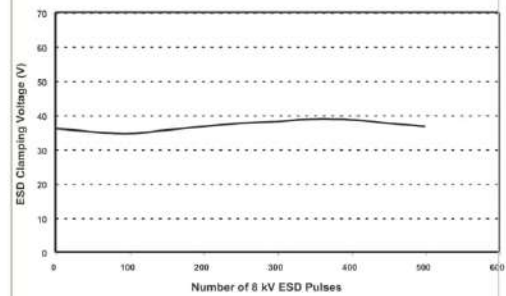


Specifications

Performance Characteristics	Units	Min	Typ	Max
Continuous Operating Voltage	Vdc	--	14	30
Clamping Voltage ¹	V	--	35	60
Trigger Voltage ²	V	--	350	--
ESD Threat Voltage Capability	kv	--	8	15
Capacitance (@ 1MHz)	pF	--	0.10	0.15
Leakage Current (@ 12Vdc)	nA	--	<0.1	100
Peak Current	A	--	30 Typ.	45
Operating Temperature	°C	-55	+25	+105
ESD Pulse Withstand	# Pulses	20	>500	--

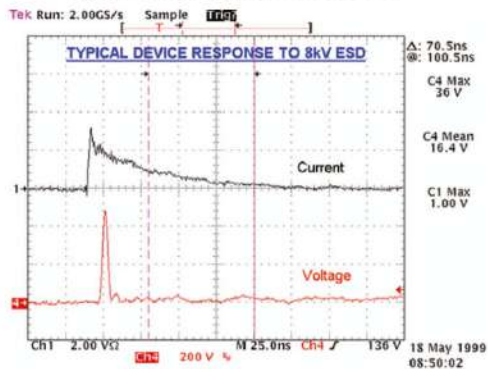
1. Per IEC 61000-4-2, 30A @ 8kV, Level 4, contact discharge, measurement made 30ns after initiation of pulse.
2. Trigger measurement made using Transmission Line Pulse (TLP) method.

ESD クランプ電圧 : 8kV ESD パルス 耐久特性
ESD Clamping Voltage vs. Number of 8 kV ESD Pulse



8kV ESD に対する反応 (代表値)

Typical Device Response to 8kV ESD



Signal distortion comparisons at 800Mbps

