

ESD Protection Devices

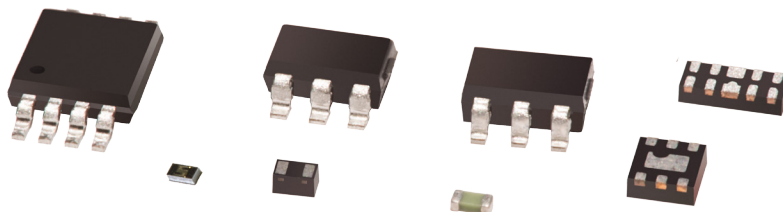
Ceramic, Silicon, and CMCC+ESD

Features

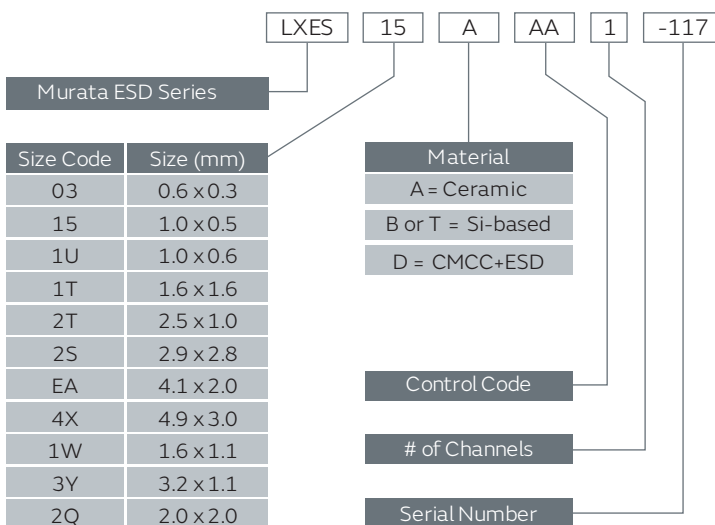
- ▀ Ideal for high speed data lines
- ▀ IEC 61000-4-2 Level 4 (8kV contact and 15kV air discharge)
- ▀ Fast response time (<1ns)
- ▀ RoHS compliant, halogen free, and lead free
- ▀ Ceramic
 - Bi-directional
 - Ultra low Capacitance 0.05pF (typ.)
- ▀ Silicon
 - Low Clamping and Peak Voltages
 - Low Capacitance

Applications

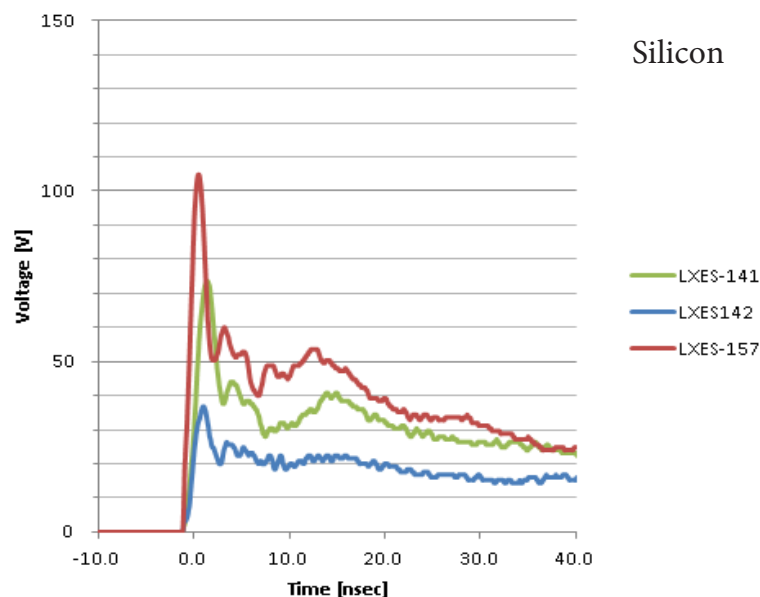
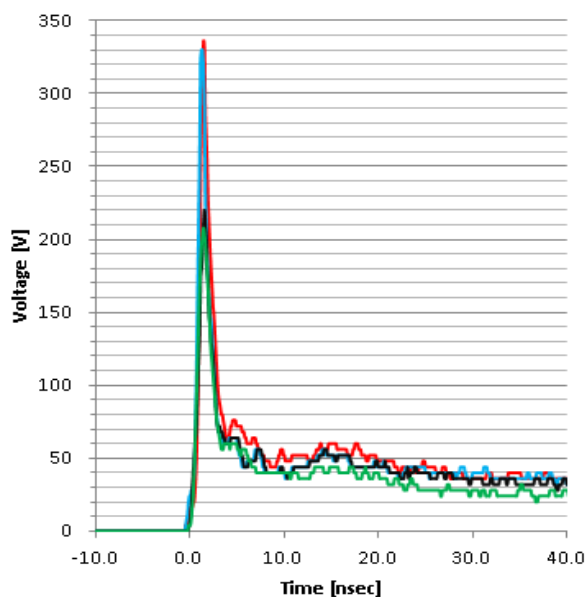
- ▀ HDMI 1.3, USB 2.0, USB 3.0, IEEE 1394b
- ▀ Cell Phones, Computers and peripherals
- ▀ A/V Equipment, STB, DVD, HDTV, etc.
- ▀ Antenna Ports



Part Numbering



ESD Test Measurement System



Type	Part Number	Capacitance (pF) Typical	Maximum Rated Voltage (V)	Package (mm)	T (mm max)	Appearance
Ceramic 1 Channel	LXES15AAA1-133	0.05	15.0	0402 (1.0x0.5)	0.33	
	LXES15AAA1-153	0.05	4.2	0402 (1.0x0.5)	0.33	
	LXES03AAA1-154	0.05	4.2	0201 (0.6x0.3)	0.33	
	LXES03AAA1-098	0.05	15.0	0201 (0.6x0.3)	0.33	

Type	Part Number	Capacitance (pF) Typical	Maximum Rated Voltage (V)	Package (mm)	T (mm max)	Appearance
Silicon 1 Channel	LXES1UTAA1-157	0.5	6.0	FP1006P2 (1.0x0.6)	0.4	
	LXES1UBAB1-007	0.5	18.0		0.6	
	LXES1UBAA1-096	8	5.5		0.5	
	LXES03TBB1-141	0.45	5.5	DFN0603-P2 (0.6x0.3)	0.23	
	LXES03TAA1-142	5	5.5		0.23	
Silicon 2 Channel	LXES1TBCC2-004	0.55	5.5	FBP1616-P6 (1.6x1.6)	0.6	
	LXES1TBBB2-013	0.55	5.5		0.6	
Silicon 4 Channel	LXES2TBCC4-028	0.5	5.5	DFN2510-P10 (2.5x1.0)	0.6	
	LXES2SBAA4-016	0.55	5.5	SOT23-6 (2.9x2.8)	1.45	
	LXES2SBBB4-026	1	5.5		1.45	
	LXES2SBAA4-114	12	5.0	SOT23-5 (2.9x2.8)	1.45	
Silicon 6 Channel	LXES4XBAA6-027	0.25	5.5	MSOP-8L (4.9x3.0)	1.1	
	LXESEABAA6-046	0.27	6.0	DFN4120-P10 (4.1x2.0)	0.4	

Type	Part Number	Capacitance (pF) Typical	Maximum Rated Voltage (V)	Package (mm)	T (mm max)	Appearance
Ceramic ESD +CMCC 1 pair	LXES11DAA2-135	0.4	60	1.25 x 1.00	0.85	
	LXES11DAA2-137	0.4	35		0.85	
Ceramic ESD +CMCC 2 pair	LXES21DAA4-136	0.4	60	2.0 x 1.25	0.90	
	LXES21DAA4-138	0.4	35		0.90	
	LXES21DAA4-140	0.4	90		0.90	