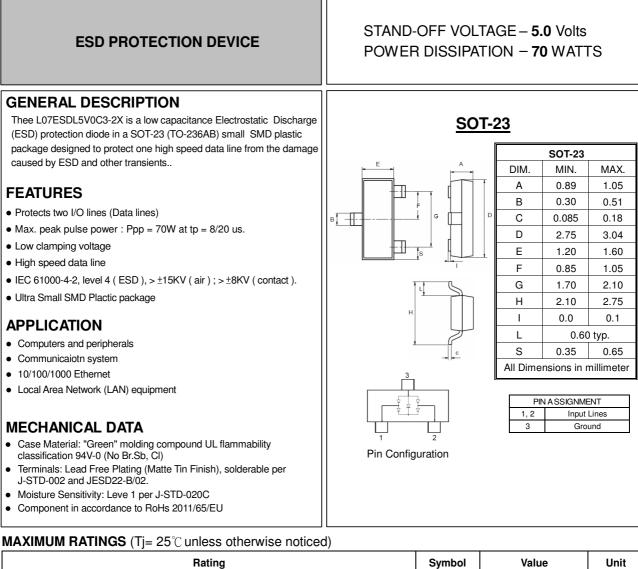


## L07ESDL5V0C3-2X



Rating	Symbol	Value	Unit
Peak Pulse Power (tp = 8/20us)	Ppk	70 (Max)	W
Peak Pulse Current (tp = 8/20us)	lpp	4.5	А
Operating Junction Temperature Range	TJ	-55 to + 125	°C
Storage Temperature Range	Tstg	-55 to + 150	°C
Soldering Temperature, t max = 10s	ΤL	260	°C

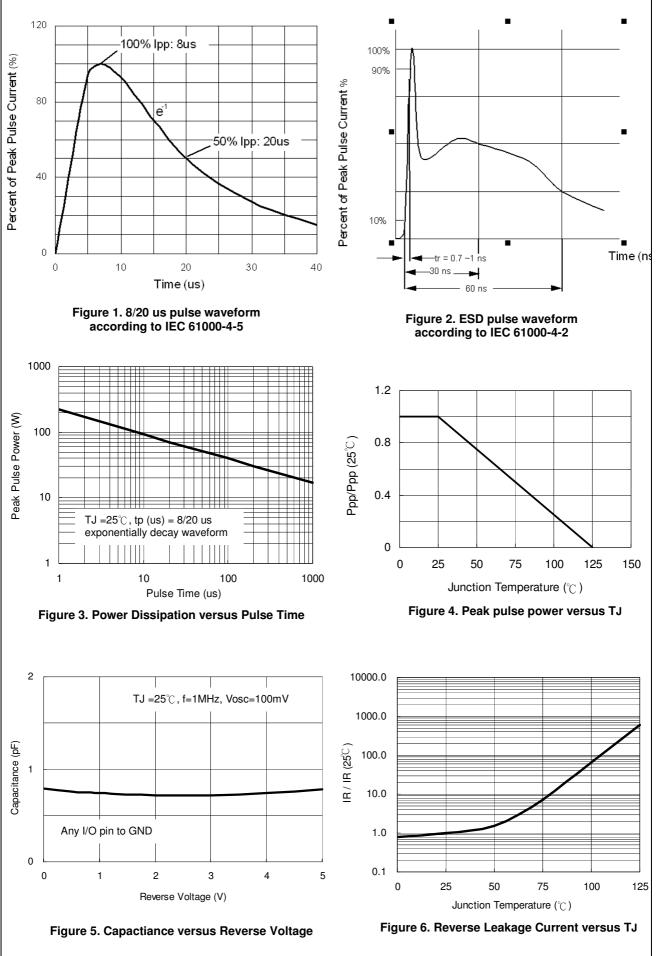
#### ELECTRICAL CHARACTERISTICS (Tj= 25°C unless otherwise noticed)

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse standoff voltage	V <sub>RWM</sub>				5	V
Breakdown voltage	VBR	IR = 1 mA	6.0			V
Reverse leakage current	IRM	$V_{\text{DRM}} = 5V$			1.0	uA
Clamping Voltage		$I_{PP} = 1A$ , tp = 8/20µs			14	V
	Vc	I <sub>PP</sub> =4.5A, tp = 8/20μs			16	V
Junction Capacitance	CJ	Any I/O pin to Ground $V_R = 0V$ , f = 1MHz			1.0	pF
					Apr 2015	

REV. 5, Apr-2015, KSIR58

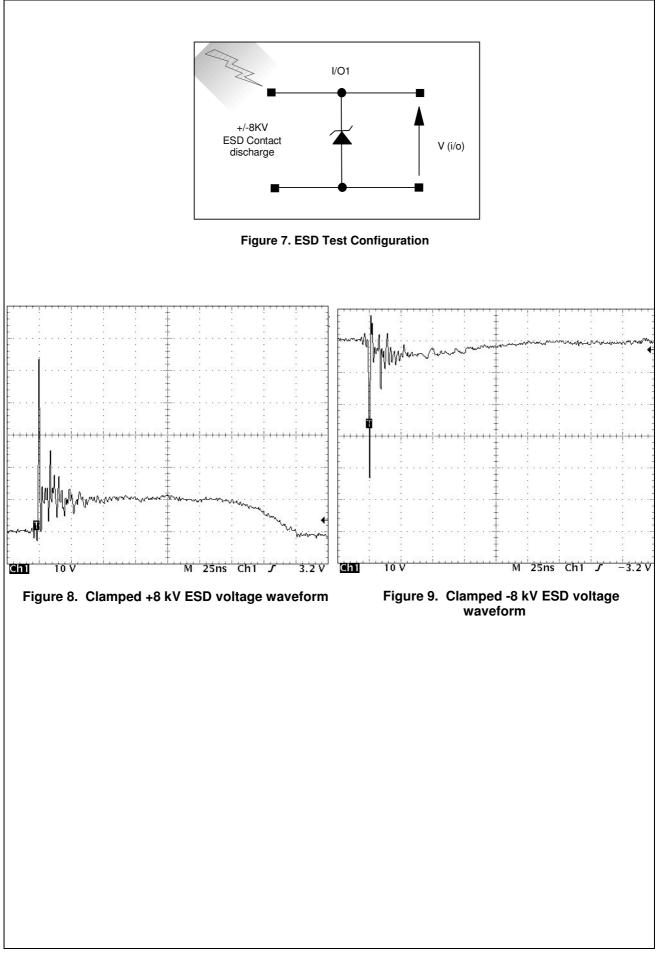
## RATING AND CHARACTERISTIC CURVES L07ESDL5V0C3-2X





# RATING AND CHARACTERISTIC CURVES L07ESDL5V0C3-2X







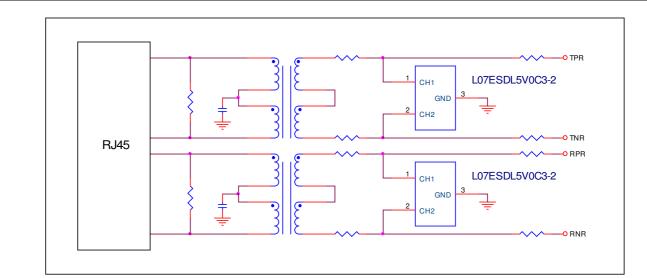


Figure 10. 10/100/1000 Ethernet/LAN RJ45 Connectors ESD Protection

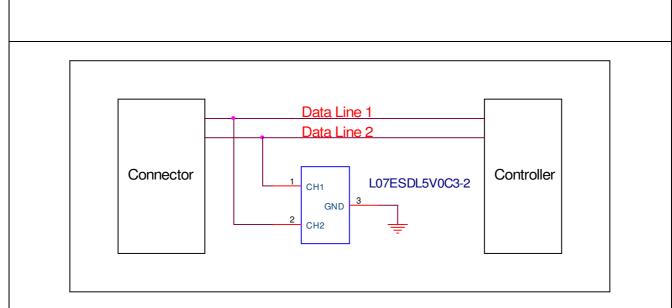
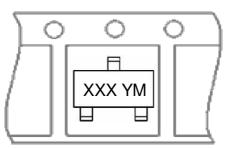


Figure 11. Computer & Communication System ESD Protection



### **Marking & Orientation**

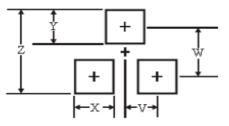


DEVICE	Wire	Marking	Packing
L07ESDL5V0C3-2	Au	GC5	Taping / Reel
L07ESDL5V0C3-2C	Cu	GCV	Taping / Reel

### **Packaging Information**

DEVICE	Q'TY/REEL	REEL DIA.	Q'TY/BOX	Q'TY/CARTON
	(PCS)	(INCH)	(PCS)	(PCS)
L07ESDL5V0C3-2 L07ESDL5V0C3-2C	3000	7	45000	180K

#### SOT-23 Soldering Pad Layout



Dim.	Millimeters	Inches
Z	3.60	0.141
Х	0.80	0.031
W	2.60	0.102
Y	1.00	0.039
V	0.95	0.037



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