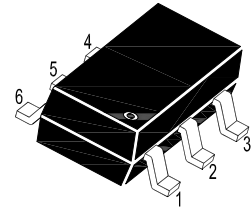
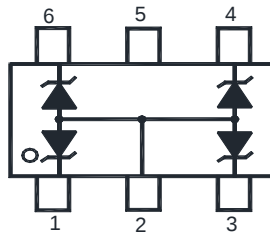


E5V0MUD4B

ESD Protection

Features

- Low Clamping Voltage
- Low Operating Voltage



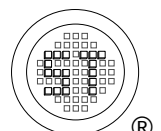
1. I/O1 2. GND 3. I/O2
4. I/O3 5. NC 6. I/O4
Marking Code: B5
SOT-26 Plastic package

Absolute Maximum Ratings (at $T_a = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Value	Unit
Peak Pulse Power ($t_p = 8/20 \mu\text{s}$)	P_{PK}	175	W
Peak Pulse Current ($t_p = 8/20 \mu\text{s}$)	I_{PP}	13.5	A
IEC61000-4-2 (ESD) Air Contact	V_{ESD}	± 30 ± 30	KV
Operating Temperature Range	T_j	- 55 to + 125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Min.	Typ.	Max.	Unit
Reverse Stand-Off Voltage	V_{RWM}	-	-	5	V
Reverse Breakdown Voltage at $I_R = 1 \text{ mA}$	$V_{(BR)R}$	6	-	8	V
Reverse Current at $V_{RWM} = 5 \text{ V}$	I_R	-	-	0.1	μA
Clamping Voltage at $I_{PP} = 13.5 \text{ A}$, $t_p = 8/20 \mu\text{s}$	V_C	-	-	13	V
Junction Capacitance at $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$	C_j	-	140	-	pF



Electrical Characteristics Curves

Fig 1. Pulse Waveform

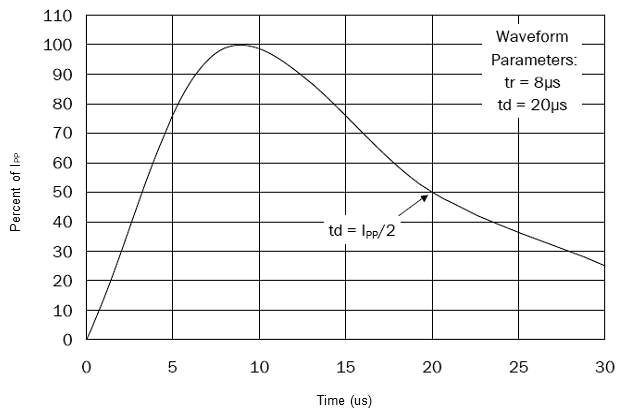


Fig 2. Power Derating Curve

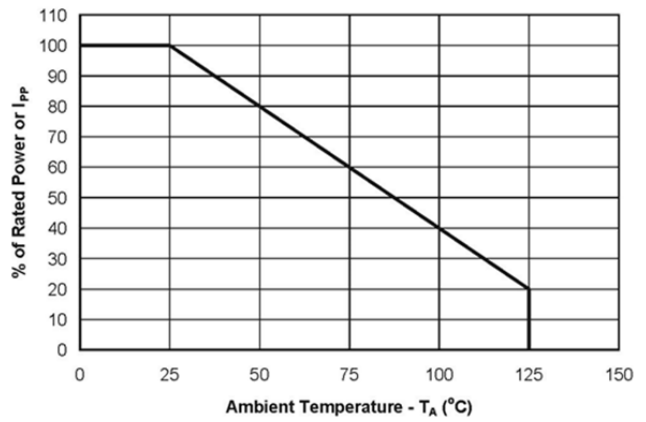


Fig 3. Junction Capacitance

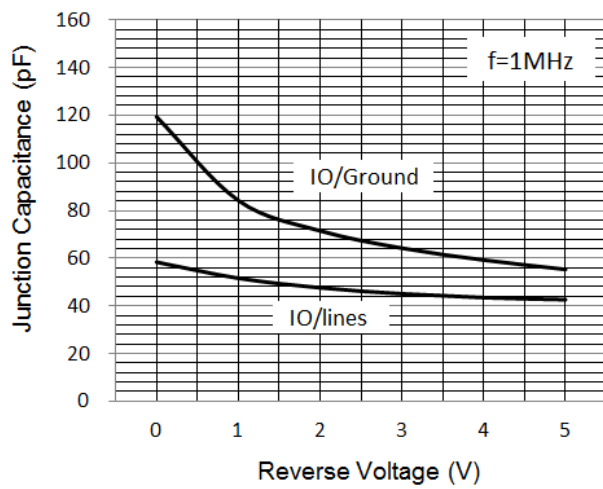


Fig 4. Clamping Voltage vs Peak Pulse Current

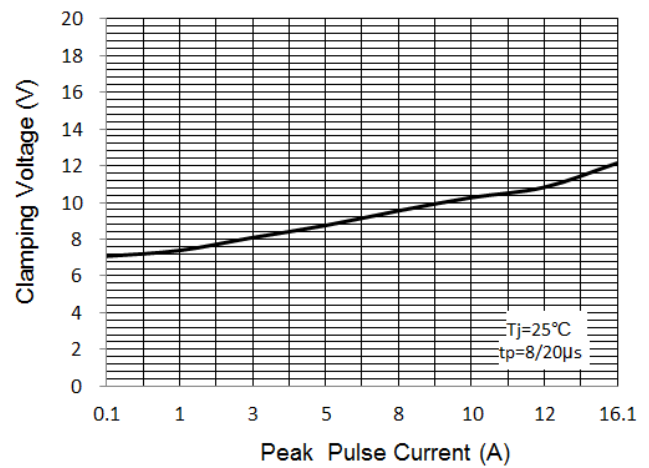
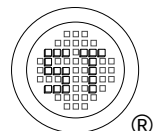
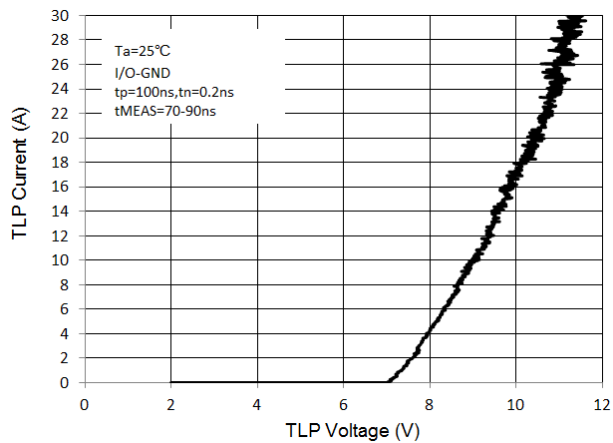


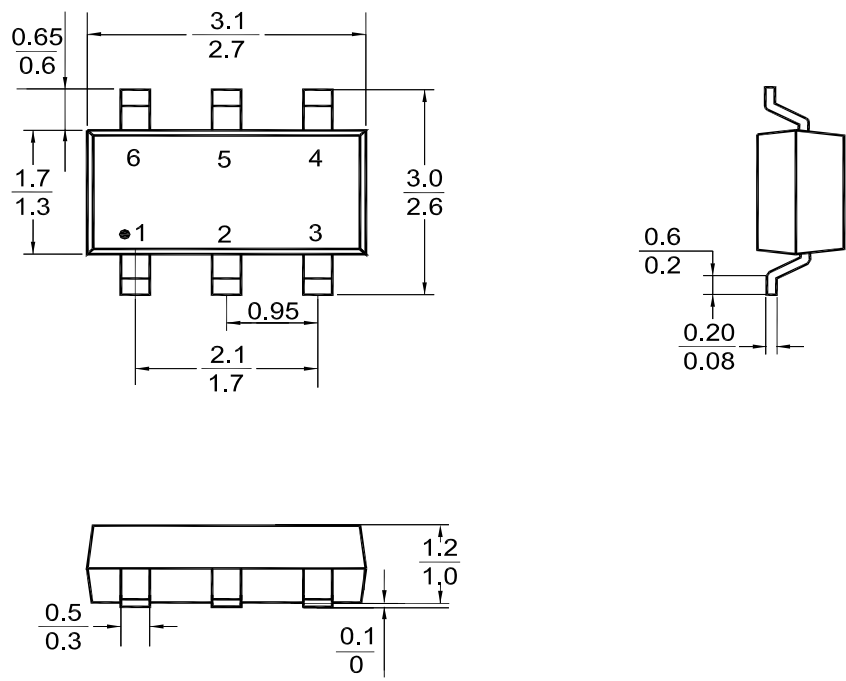
Fig 5. TLP Curve



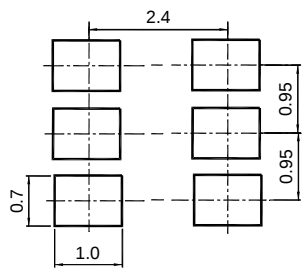
E5V0MUD4B

Package Outline Dimensions (Units: mm)

SOT-26



Recommended Soldering Footprint



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
SOT-26	8	4 ± 0.1	0.157 ± 0.004	178	7	3,000

Marking information

" B5" = Part No.
"YM" = Date Code Marking
"Y" = Year
"M" = Month
Font type: Arial

