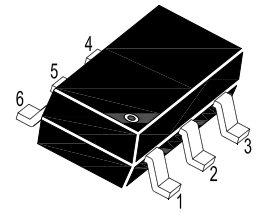
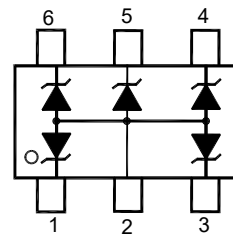


E5V0MUDW5B

Transient Voltage Suppressor

ESD protection



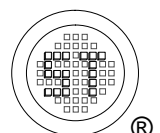
1. I/O1 2. GND 3. I/O2
4. I/O3 5. I/O4 6. I/O5
SOT-363 Plastic package

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

Parameter	Symbol	Value	Unit
Peak Power Dissipation ($t_p = 8/20 \mu\text{s}$)	P_{PK}	75	W
Peak Pulse Current ($t_p = 8/20 \mu\text{s}$)	I_{PP}	6	A
ESD per IEC 61000-4-2 Air Contact	V_{ESD}	20 15	KV
Operating junction Temperature Range	T_j	- 55 to + 125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit
Reverse Stand-Off Voltage	V_{RWM}	-	5	V
Reverse Breakdown Voltage at $I_R = 1 \text{ mA}$	V_{BR}	6	9.5	V
Leakage Current at $V_R = 5 \text{ V}$	I_R	-	0.1	μA
Clamping Voltage at $I_{PP} = 6 \text{ A}$, $t_p = 8/20 \mu\text{s}$	V_C	-	12.5	V
Junction Capacitance at $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$	C_j	-	130	pF



Electrical Characteristics Curves

Fig 1. Junction Capacitance vs Reverse Voltage

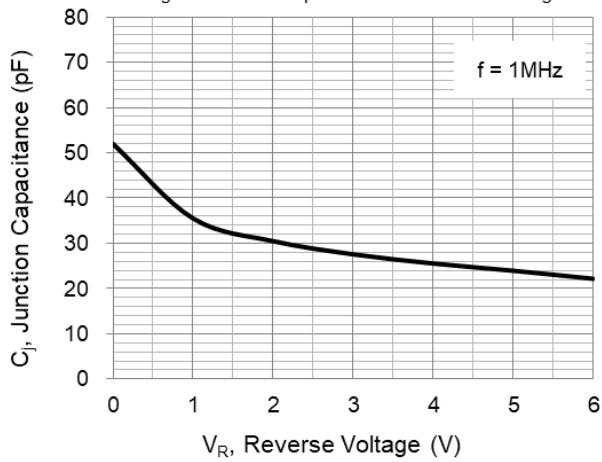


Fig 2. Clamping Voltage vs Peak Pulse Current

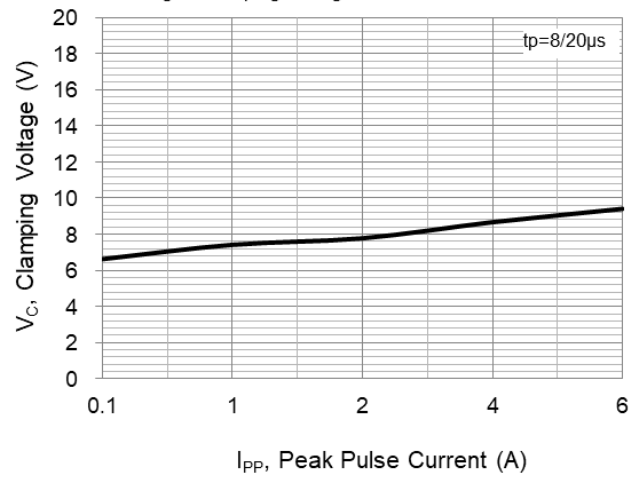


Fig 3. Peak Power Dissipation vs time

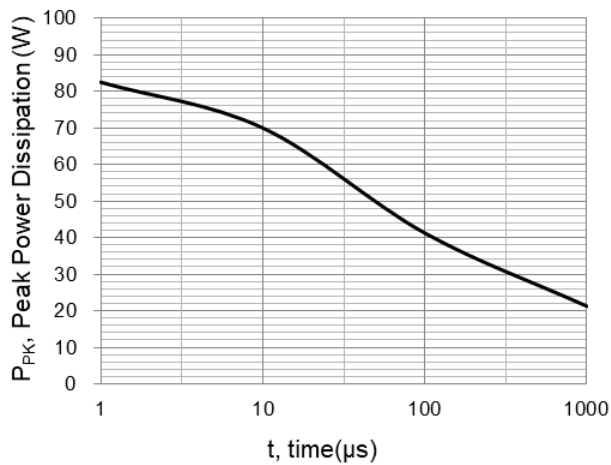


Fig 4. Power Derating Curve

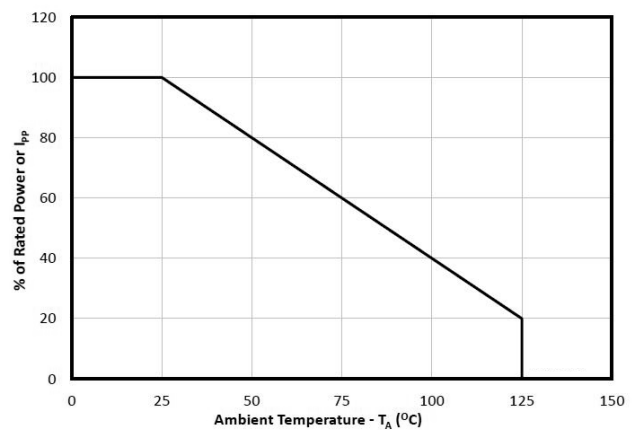
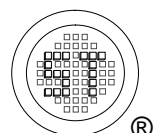
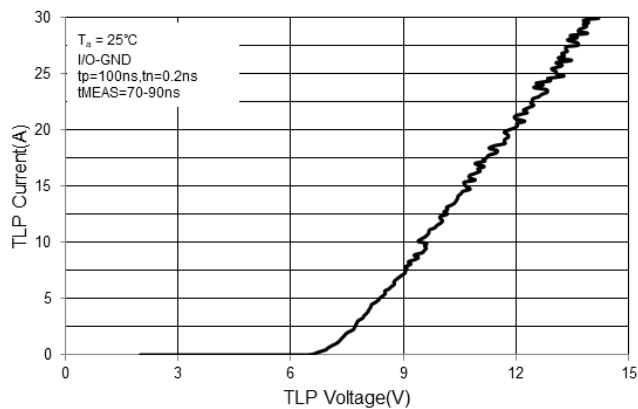
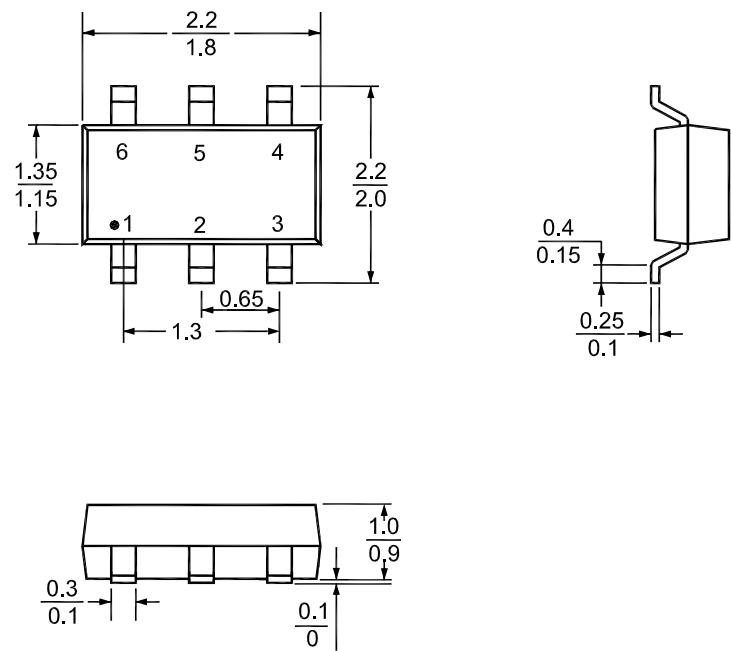


Fig 5. TLP Curve

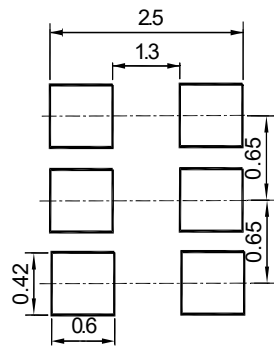


Package Outline Dimensions (Units: mm)

SOT-363



Recommended Soldering Footprint



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
SOT-363	8	4 ± 0.1	0.157 ± 0.004	178	7	3,000

Marking information

" 5C " = Part No.
"YM" = Date Code Marking
"Y" = Year
"M" = Month
Font type: Arial

