

TQP200002

ESD Protection Device



Applications

- Cellular Handsets
- Cordless Phone
- LNBS
- CATV set top boxes

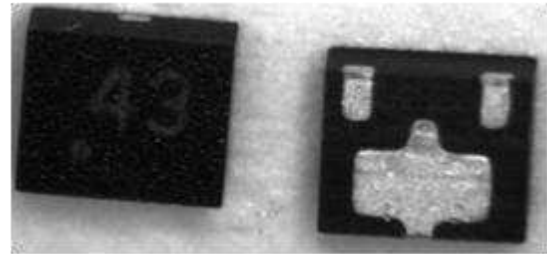
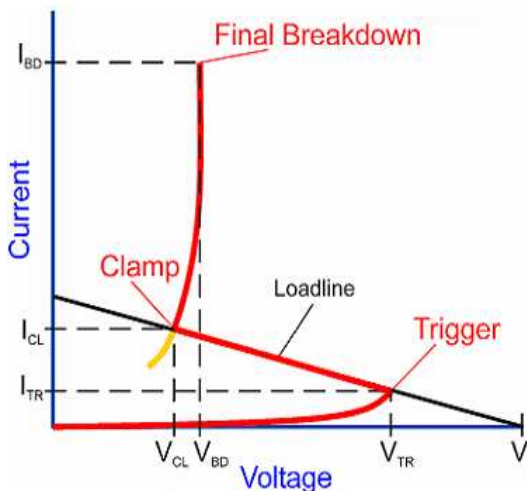
Product Features

- Snap-Back ESD protection
- Low clamp voltages 15 or 30 V
- Low trigger voltages 18, 25, or 41 V
- Two bidirectional protection lines
- Fast response time, under 1 ns.
- ESD Protection: IEC 61000-4-2, level 1
JEDEC HBM, 8 kV
- Low capacitance 0.22 pF
- Thin Small Leadless SMT Package ($A = 1.8 \text{ mm}^2$)

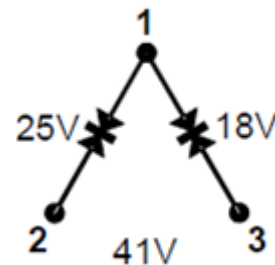
General Description

The TQP200002 ESD protection device is fabricated in GaAs MESFET technology and has been especially developed for high frequency applications. It delivers bi-directional protection with very low leakage currents and extremely low capacitance. It is ideally suited for cellular handsets, cordless phones, and broadband applications like CATV set top boxes and LNBS.

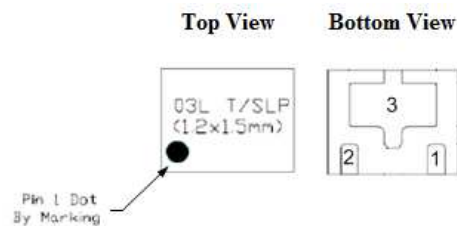
Snap-Back Characteristics:



Functional Block Diagram



Pin Configuration



Symbol	Function
V1	Measured between pin 1 and pin 3.
V2	Measured between pin 1 and pin 2.
V3	Measured between pin 2 and pin 3.

Ordering Information

Part No.	Description
TQP200002	ESD Protector Diode
TQP200002-PCB-75	75 Ohm Evaluation Board
TQP200002-PCB-50	50 Ohm Evaluation Board

Standard T/R size = 10,000 pieces on a 13" reel.