



## Product Overview

Created on: 10/26/2011

### MMT08B310T3: 310 V, 80 A Thyristor Surge Protection Device - TSPD

For complete documentation, see the data sheet

#### Product Description

These Thyristor Surge Protective devices (TSPD) prevent overvoltage damage to sensitive circuits by lightning, induction and power line crossings. They are breakover-triggered crowbar protectors. Turn-off occurs when the surge current falls below the holding current value. Secondary protection applications for electronic telecom equipment at customer premises.

#### Features

- High Surge Current Capability: 80 Amps 10x1000 uSec, for Controlled Temperature Environments.
- This device is used to help equipment meet various regulatory requirements including: Bellcore 1089, ITU K.20 & K.21, IEC 950, UL 1459 & 1950 and FCC Part 68.
- Bidirectional Protection in a Single Device.
- Little Change of Voltage Limit with Transient Amplitude or Rate.
- Freedom from Wearout Mechanisms Present in Non-Semiconductor Devices.
- Fail-Safe, Shorts When Overstressed, Preventing Continued Unprotected Operation.
- Surface Mount Technology (SMT).
- UL Recognized - File #E210057
- Device Marking: MMT08B310T3: RPCJ

#### Applications

- Designed for primary and secondary protection of electronic telecom equipment.

#### Part Electrical Specifications

Product	Compliance	Status	V <sub>DM</sub> Max (V)	V <sub>DRM</sub> Max (V)	V <sub>(BO)</sub> Max (V)	I <sub>D</sub> Max (uA)	I <sub>DRM</sub> Max (µA)	I <sub>H</sub> Min (mA)	I <sub>PPS</sub> Max (A)	dI/dt Max (A/µs)	C <sub>O</sub> Typ (pF)	Package Type
MMT08B310T3G	Pb-free	Active	270		365	5		150	80	150	23	SMB-2
	Halide free											

#### Package Availability

Type	Pb-free	Standard
SMB-2	✓	✓

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