

Bidirectional TVS Diode Array

DESCRIPTION

The GSMxxCM Series is designed for applications transient overvoltage protection requiring capability. They are intended for use in voltage and ESD sensitive equipment such as computers, business machines, communication printers, systems, medical equipment and other applications. These devices are ideal for situations where board space is at a premium.

This series has been specifically designed to protect sensitive components which are connected to power, data and transmission lines from overvoltage caused by ESD (electrostatic discharge), CDE (Cable Discharge Events),and EFT (electrical fast transients).

ORDERING INFORMATION

- ♦Device: GSMxxCM
- ♦Package: SOT-23
- ♦ Material: Halogen free & RoHS compliant

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- ♦Packing: Tape & Reel
- ♦Quantity per reel: 3,000pcs

PIN CONFIGURATION

FEATURES

±30kV (Air)

IEC 61000-4-4 (EFT) 40A (5/50 ns)

- ♦ Peak power dissipation: 500W (8/20µs)
- ♦Working voltages : 3.3V, 5V
- ♦Low clamping voltage
- ♦Low leakage current
- Protects two bidirectional lines

MACHANICAL DATA

- ♦SOT-23 package
- ♦ Flammability Rating: UL 94V-0
- ✦High temperature soldering guaranteed: 260℃/10s
- ♦Packaging: Tape and Reel
- \diamond Reel size: 7 inch

APPLICATIONS

- ♦ Cell Phone Handsets and Accessories
- Microprocessor based equipment
- ♦ Personal Digital Assistants (PDA's)
- ♦Notebooks, Desktops, and Servers
- ♦Portable Instrumentation
- ♦Networking and Telecom
- ♦Serial and Parallel Ports
- \diamond Peripherals

PACKAGE OUTLINE





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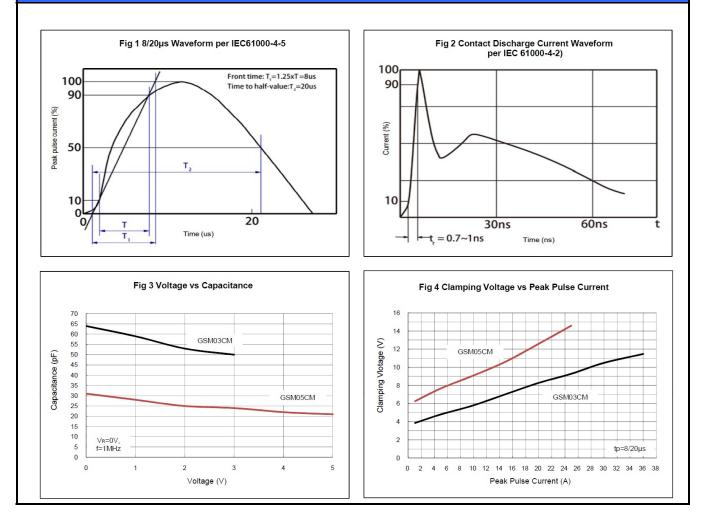
ABSOLUTE MAXIMUM RATING									
Symbol	Parameter	Value	Units						
V _{ESD}	ESD per IEC 61000-4-2 (Contact) ESD per IEC 61000-4-2 (Air)	±30 ±30	kV						
P _{PP}	Peak Pulse Power (8/20µs)	500	W						
T _{OPT}	Operating Temperature	-55~125	°C						
T _{STG}	Storage Temperature	-55~150	°C						

ELECTRICAL CHARACTERISTICS (Tamb=25°C)												
PART NUMBER	DEVICE MARKING	V _{RWM}	V _B	Ι _Τ	V _c @1A	Vc		I _R	CJ			
		(V)	(V)	(mA)	(V)	(V)		(µA)	(pF)			
		(max.)	(min.)		(max.)	(max.)	(@A)	(max.)	(max.)			
GSM03CM	3CM	3.3	3.6	1	6.5	18.0	34	1.0	75			
GSM05CM	5CM	5.0	5.6	1	9.8	22.0	23	1.0	65			



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ELECTRICAL CHARACTERISTICS CURVE





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SOT-23 PACKAGE OUTLINE DIMENSIONS

