

## SMF05C

# 5-Line ESD Protection Array

## Product Overview

For complete documentation, see the data sheet.

This 5-line surge suppressor array is designed for application requiring ESD and surge protection capability. It is intended for use in over-transient voltage and ESD sensitive equipment such as computers, printers, automotive electronics, networking communication and other applications. This device features a monolithic common cathode design which protects five independent lines in a single SC-88 package.

## Features

- Protects up to 5 Lines in a Single SC-88 Package
- Peak Power Dissipation - 100W (8x20  $\mu$  Waveform)
- ESD Rating of Class 3B (Exceeding 8 kV) per Human Body Model and Class C (Exceeding 400 V) per Machine Model
- Compliance with IEC 61000-4-2 (ESD) 15 kV (Air), 8 kV (Contact)
- UL Flammability Rating of 94V-0
- AEC-Q101 Qualified and PPAP Capable
- SZ Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements

## Applications

- Hand Held Portable Applications
- Networking and Telecom
- Automotive Electronics
- Serial and Parallel Ports
- Notebooks, Desktops, and Servers

## Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	V <sub>(BR)</sub> Min (V)	V <sub>RWM</sub> Max (V)	I <sub>R</sub> Max (μA)	P <sub>PK</sub> Max (W)	Package Type
SMF05CT1G	0.0737	 	Active	General I/O	2	Unidirectional	130	6.2	5	5	100	SC-88-6 / SC-70-6 / SOT-363-6
SMF05CT2G	0.0959	 	Active	General I/O	2	Unidirectional	130	6.2	5	5	100	SC-88-6 / SC-70-6 / SOT-363-6
SMF12CT1G	0.0979	 	Active	General I/O	2	Unidirectional	60	13.3	12	0.1	100	SC-88-6 / SC-70-6 / SOT-363-6
SMF15CT1G	0.1021	 	Active	General I/O	2	Unidirectional	45	17	15	1	100	SC-88-6 / SC-70-6 / SOT-363-6
SZSMF05CT1G		   	Active	General I/O	2	Unidirectional	130	6.2	5	5	100	SC-88-6 / SC-70-6 / SOT-363-6
SZSMF05CT2G		   	Active	General I/O	2	Unidirectional	130	6.2	5	5	100	SC-88-6 / SC-70-6 / SOT-363-6
SZSMF12CT1G	0.0871	   	Active	General I/O	2	Unidirectional	60	13.3	12	0.1	100	SC-88-6 / SC-70-6 / SOT-363-6