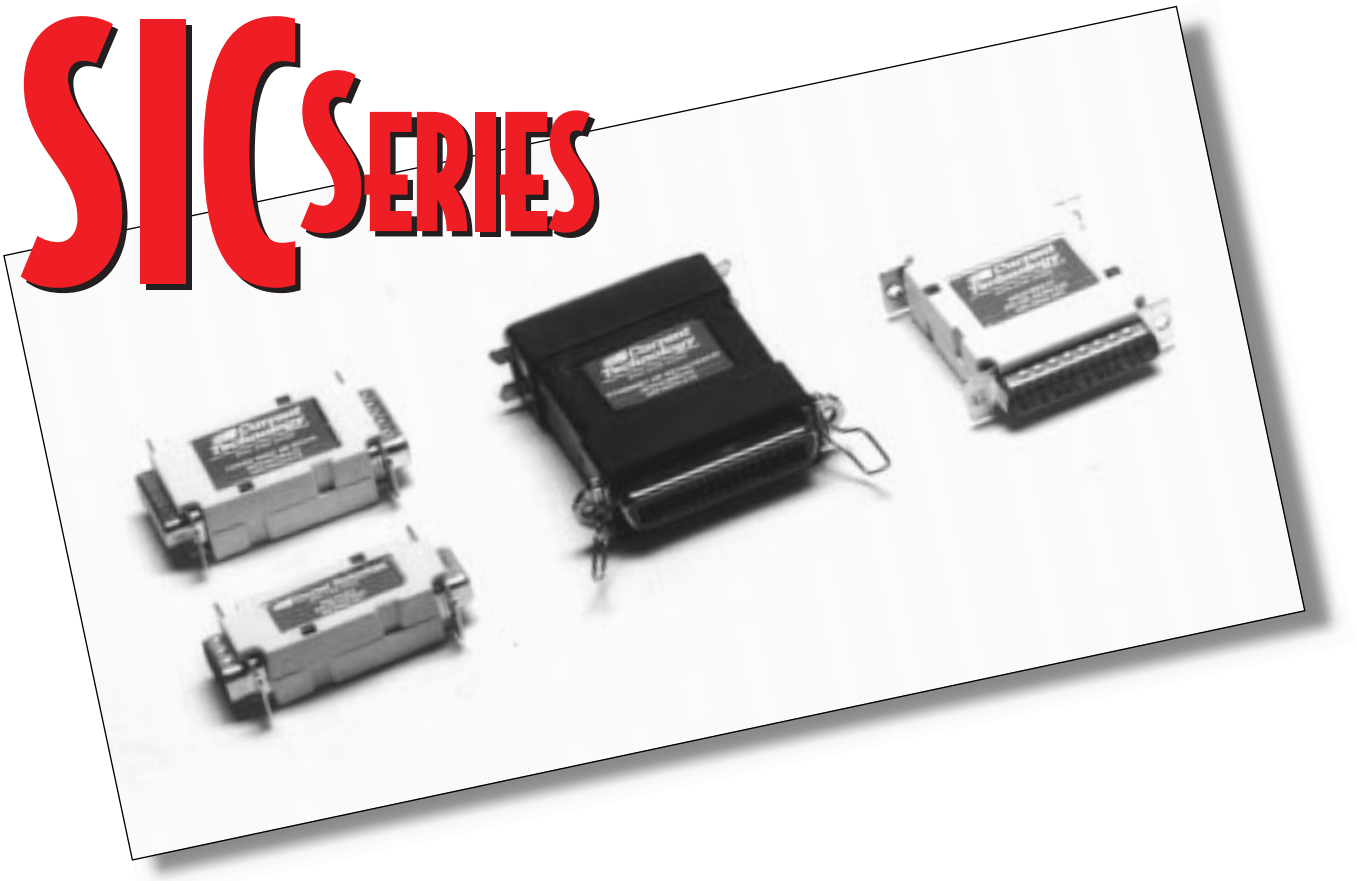
SIC SERIES



THE SIC SERIES OF SUBMINIATURE D INTERFACE ELECTRICAL TRANSIENT SURGE PROTECTORS ENSURES THE RELIABLE AND CONTINUOUS OPERATION OF SENSITIVE NETWORK EQUIPMENT CONNECTED TO MAINFRAMES, FILESERVERS, TERMINALS AND MODEMS USING RS422, RS232, TOKEN RING OR MOST OTHER LAN/WAN INTERFACES.

SICs Deliver:

- State-of-the-art avalanche diode technology
- Compact in-line installation
- High speed, high energy handling capability
- Low shunt capacitance for reduced signal loss

You Receive:

- Cost effective, superior equipment security
- Improved reliability and maximized system uptime
- Interface card protection
- Adaptability to most industry applications
- Five Year Limited Warranty

Damaging electrical transient surges can enter electronic equipment through any pathway. Even with power protection in place, transient surge energies generated within a building by sources such as inductive load switching, ground loop currents and electrostatic discharge can still reach — and adversely affect — critical communications hardware.

SIC Series models are specifically designed to provide added security for electronic devices with extremely low tolerance for voltage rises, ground loop energies to equipment networked at distances greater than 30 feet and equipment installed in geographic locations prone to lightning activity.

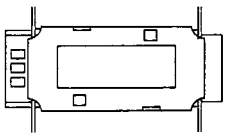
Incorporating internal silicon diode technology with high speed clamping of less than one picosecond, SIC models are built to safeguard virtually any communication interface. Packaged in a compact interface case, SIC models exhibit an extremely fast response time of less than 10 nanoseconds.

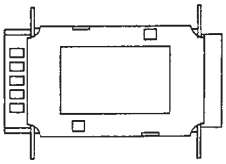
SIC interface connectors (Centronics 9, 15 or 25 pin subminiature D's, one at each end) are available in configurations that protect all pins. Units are also available to protect any special pin configuration. All these features make SIC Series models the most cost effective and versatile communication line surge protection devices available today. Standard models protect RS422, RS232, RS423, Parallel and high speed LAN/WAN interfaces.

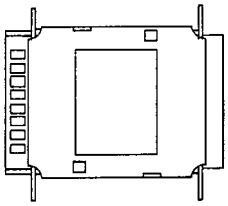
Quality Engineered to protect

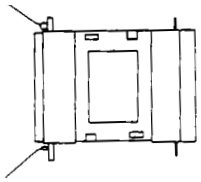
- **Subminiature D**
- **Centronics**

communication ports from damage and downtime resulting from common electrical disturbances

DB-9 SERIES	PINS PROTECTED	SYSTEM APPLICATION AND MODEL NUMBER		
		RS232	RS422/RS423/RS485/RS449	TOKEN RING
DIMENSIONS: inches (CM) H x W x L .65 x 1.2 x 2.4 (1.6 x 3 x 6) 	PROTECTS ALL 9 PINS	SIC-DB9 -RS232	SIC-DB9-RS422	SIC-DB9-18VLC

DB-15 SERIES	PINS PROTECTED	SYSTEM APPLICATION AND MODEL NUMBER		
		RS232	RS422/RS423/RS485	ETHERNET
DIMENSIONS: inches (CM) H x W x L .65 x 1.6 x 2.4 (1.6 x 4 x 6) 	PROTECTS ALL 15 PINS *UNLESS SPECIFIED*	SIC-DB15 -RS232	SIC-DB15-RS422	SIC-DB15-EN *Protects IEEE 802.3 Pins*

DB25 SERIES	STANDARD PIN CONFIGURATIONS	SYSTEM APPLICATION AND MODEL NUMBER		
		RS232	RS422/RS423/RS485	PARALLEL
DIMENSIONS: inches (CM) H x W x L .65 x 2.1 x 2.4 (1.6 x 5.3 x 6) 	25 WIRE *ALL 25 PINS PROTECTED*	SIC-DB25-RS232	SIC-DB15-RS422	SIC-DB25-PARLL
	4 WIRE *PINS (1) 2, 3, 7, 20*	SIC-DB425-RS232	—	—
	8 WIRE *PINS (1) 2, 3, 4, 5, 6, 7, 8, 20*	SIC-DB825-RS232	—	—

CENTRONICS PARALLEL	MODEL NUMBER
DIMENSIONS: inches (CM) H x W x L .82 X 2.7 X 2.9 (2 X 6.8 X 7.4) 	SIC-36 M/F

ELECTRICAL SPECIFICATIONS					
	RS232	RS422	ETHERNET	TOKEN RING	PARALLEL
Stand. Clamp Voltage	18 Volts	7.5 Volts	7.5 & 18 Volts	18 Volts	7.5 Volts
Peak Pulse Current 8/20(sec s.c. waveform @ Vc1	340 Amps	750 Amps	750 Amps	340 Amps	750 Amps
Response Time	< 10 ns	< 10 ns	< 10 ns	< 10 ns	< 10 ns
Maximum Shunt Capacitance	< 30 pF	< 30 pF	< 30 pF	< 30 pF	< 30 pF
Maximum Data Rate	> 40 Mbps	> 40 Mbps	> 40 Mbps	> 40 Mbps	> 40 Mbps

All specifications are subject to change without notice.