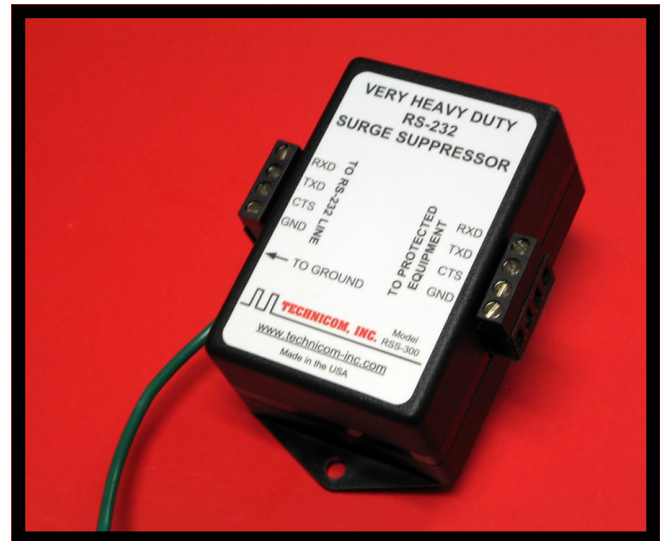


# RSS-300

## Very Heavy Duty RS-232 Line Surge Suppressor

The RSS-300 is a very heavy duty RS-232 line surge suppressor designed to protect sensitive electronic equipment from damage caused by voltage transients appearing on an RS-232 data line. Up to three (3) RS-232 signal lines can be protected. For example, RXD, TXD and RTS. Protection is provided from line-to-line and from line-to-ground.

What distinguishes the RSS-300 from other suppressors is our unique three-stage design. Very high speed bi-directional SIDACTORS™ work in combination with MOVs and three-element heavy-duty gas discharge tubes to provide a suppressor that has an extremely fast response time yet can also dissipate large amounts of energy. Inter-stage wirewound resistors provide better surge current handling than competing carbon-film designs. Wide PC board traces and ground planes provide additional surge handling capability.



### MAXIMUM SPECIFICATIONS

Surge Current	ANSI C62 (8 x 20 $\mu$ S) L-L and L-G	20,000 Amps
Energy Dissipation	10 x 1000 $\mu$ S pulses at 500 Amps	2,000 Joules
Instantaneous Clamping Voltage	Any one line-to-line or line-to-ground	$\pm$ 25 Volts P-P
Clamping Time		$\approx$ 1 nanosecond
In-circuit Series Resistance		10 ohms
Capacitance (line-to-ground and line-to-line)		50 pF
Input/Output Connections	Screw-terminal block with elevator cage-clamps (3 lines and Ground)	
Ground Wire	6-foot AWG 16 stranded with #10 ring terminal	
Mounting	Double-sided adhesive square or screw mount	
Size:	2-5/8"W x 3-7/8"H x 1-1/2"D	
Enclosure:	High-impact, injection-molded ABS plastic	

### ORDERING INFORMATION

The RSS-300 should be specified to protect electronic equipment that connects to an RS-232 line. The RSS-300 provides protection on up to three (3) individual RS-232 lines.

**TECHNICOM, INC.**

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