



## STC-SS SERIES

The STC-SS Series suppressors are designed for the water and wastewater industry. These multi-stage hybrid suppressors address overvoltage transients with gas tube and silicon avalanche technology. In addition, sneak and electrical fault currents are mitigated with PTC devices which consist of solid-state resettable fuses. The units are encapsulated in stainless steel pipe nipples making them suitable for use in severe environments.

### APPLICATIONS


- Water and wastewater
- Industrial applications

### FEATURES

- Automatic recovery features make it ideal for use in severe environments
- Transient protection for low-voltage signal lines
- Gas tube and silicon avalanche technology
- Sneak/fault current protection
- Resettable solid-state fuses - PTCs
- Differential and common mode protection
- Multi-stage hybrid suppressor

- Encapsulated in stainless steel pipe nipples
- UL497B Certified
- Five year limited warranty

### CERTIFICATIONS AND COMPLIANCES

-  Listed  
— UL 497B
- RoHS Compliant

### SELECTION TABLE

Catalog Number	Description
STCSS640362	1/2" Metal Conduit Capped

**SOLAHd**

For product information:  
[www.solahd.com](http://www.solahd.com)  
 1.800.377.4384



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## SPECIFICATIONS

Description	Signal Line Protection
Operating Voltage	28 Vdc
Maximum Operating Current	150 mA
Clamping Voltage	(L-G) 36 Vdc (L-L) 72 Vdc
Peak Surge Current	10 kA (8x20 $\mu$ s)
SPD Technology	GDT/PTC/SAD Hybrid
Frequency Range	0 to 20 MHz
Insertion Loss	<0.1 dB at 20 MHz
Series Resistance (per Conductor)	5 Ohms (typical)
Capacitance (Zero Volts Bias)	(L-G) 1200 pf (typical) (L-L) 600 pf (typical)
Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Life Cycle	400 @ 500 Amps (10x1000 $\mu$ s)
Weight - lbs (kg)	0.35 (0.16)
Certifications	UL 497B
Limited warranty	5 year limited warranty

## DIMENSIONAL DRAWING

