



# GPS Antenna Surge Protector Model 8226

Spectracom recommends the use of an in-line coaxial protector for all products that use an outdoor antenna. Spectracom Model 8226 protects the receiver from damaging voltages that could affect the antenna coax. Voltages exceeding the impulse suppressor trip point are shunted to the system ground. The GPS Antenna Surge Protector is designed to withstand multiple surges and is supplied with a mounting bracket. Spectracom also offers a Grounding Kit for use with the Surge Protector.

## SPECIFICATIONS

### ELECTRICAL

**Turn On Time**  
4 nanoseconds for 2 kV/nS

**Turn On Voltage**  
+7 V to -1 V

**Frequency Range**  
1.2 to 2.0 GHz

**Temperature**  
-50° to +60° C

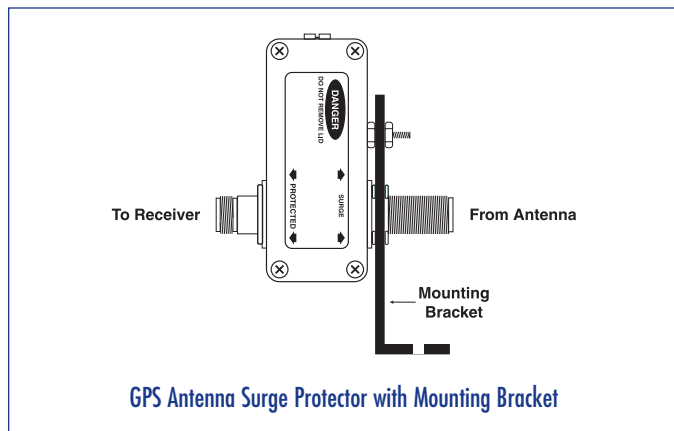
**VSWR**  
1.1:1 or better

**Insertion Loss**  
0.1 dB maximum

### MECHANICAL

**Size**  
3.83" L x 3.25" W x 1.25" H  
97.28mm L x 82.55mm W x 31.75mm H

**Connector**  
Type N Female  
Mating connectors included.



# Surge Protector Grounding Kit Model 8226-0002-0600

Spectracom offers a Surge Protector Grounding Kit, Model 8226-0002-0600, that serves as a single point ground connection for the GPS Antenna Surge Protector, equipment rack, GPS receiver, and other surge protection devices to a perimeter ground system. A single point ground system is recommended to provide protection from lighting strikes.

Each Grounding Kit includes a copper grounding plate on melamine-covered particle board, mounting hardware, hardware to secure protective devices to the copper plate, 20' of 1.5" wide copper strap, two strap clamps, 10' of #4 AWG ground wire, a ground clamp, a #4 lug, and copper paste.

## SPECIFICATIONS

### MECHANICAL

**Size**  
18" L x 12" W x 0.75" H  
97.28mm L x 82.55mm W x 31.75mm H

**Mounting**  
Four (4) holes for #10 screw  
Spaced 16" x 10" (406.4mm x 254mm)

