

# GPS Antenna Preamplifier

## MODEL 8227



### Electrical Specifications

**Frequency:** GPS L1 & L2 bands

**Gain:** => 20 dB

**Temperature:** -40° to +75° C

**VSWR:** <1.8:1

**Power:** 3.6 to 15 VDC @ 15 mA

### Mechanical Specifications

**Size:** 2.5" L x 0.75" W x 0.875 H  
(length does not include connectors);  
add 0.438" for mounting tabs  
63.5 mm x 19.1 mm x 22.2 mm  
(length does not include connectors);  
add 11.1 mm for mounting tabs

**Weight:** 3.13 oz. (88.7 g)

**Connector:** Type N Female Mating  
connectors included Includes 5' of coax cable

The GPS Antenna Preamplifier, Model 8227, is an in-line amplifier that is required whenever long antenna cable lengths reduce or weaken the GPS signal below the receiver's recommended minimum input level. The maximum cable length permitted without an in-line amplifier depends on the types of cable and receiver used.

Using Orolia's Low Loss GPS Antenna Cable LMR-400 Equivalent, Model CAL7xxx, a GPS Antenna Preamplifier, Model 8227, is needed whenever antenna cable lengths exceed approximately 300 feet with the NetClock®. The maximum cable distance when using the preamplifier is 700 feet.

#### For More Information:



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