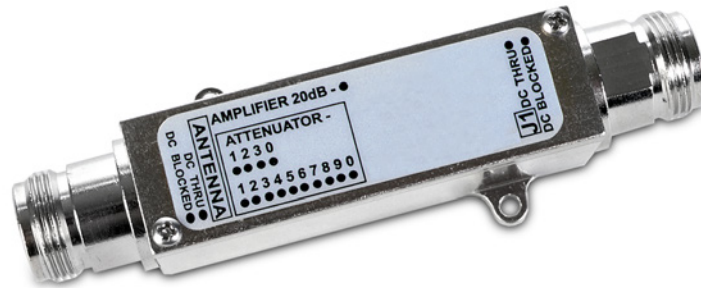


GPS Antenna Preamplifier

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.