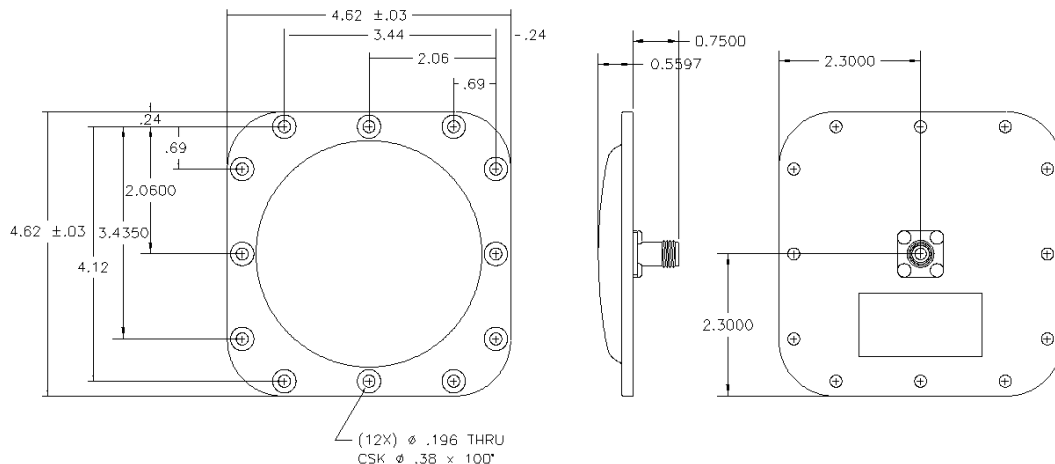


GPS10-617

GPS Passive Antenna (Dual-Frequency)



Excellence in Aerospace since 1943



Specifications

Electrical

Frequency	1227.6 ± 10 MHz 1575.42 ± 10 MHz
VSWR	2.0:1
Polarization	RHC
Radiation Pattern	Omnidirectional
Impedance	50 ohms
Gain	4.5 dBiC at 1227 MHz 3.5 dBiC at 1565 MHz 4.5 dBiC at 1575 MHz 2.0 dBiC at 1585 MHz

Mechanical

Weight	0.38 lbs. max. (0.17 kg)
Height	0.56 in (14.2 mm)
Material	Aluminum baseplate
Finish	See Chart
Connector	TNC (Female)

Environmental

Speed Rating	600 knots
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Federal Specifications

Approvals	None
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GPS10-617 GPS Passive Antenna (Dual-Frequency)

The GPS10-617 is a low-cost, low-profile, dual-frequency GPS antenna. By utilizing a state-of-the-art substrate technology, DG has been able to design a thermally stable dual-frequency antenna. In the no dash and the -2 versions, the radiating element is protected by a high-strength, injection-molded radome; the other two versions offer a fiberglass radome. The antenna is hermetically sealed to protect it against moisture intrusion.

Applications

Antennas designed to provide coverage at both the L1 and L2 frequencies through the same connector.

Series

DG PN	Radome Material	Finish / Color
GPS10-617	Thermoplastic	Gloss White
GPS10-617-1	Fiberglass	White Polyurethane Paint
GPS10-617-2	Thermoplastic	Black
GPS10-617-3	Fiberglass	Black Epoxy Paint