Antenna Associates
Precision Sensors and Systems

ALTIMETER ANTENNAS | MODEL LG81AT01

LG81AT01 Altimeter Antenna Characteristics

The LG81AT01 is a flush mount radio altimeter antenna. It is a laminated construction with microstrip element on high performance substrate. This antenna was designed by Honeywell for use with the Honeywell AN/APN-209 Altimeter.

National Stock Number

(NSN): 5985-01-240-8668

PN SM-D-967308

Electrical Characteristics:

Frequency band . . . . . 4250 to 4350 MHz

VSWR Sum
- 4250 MHz . . . . . 2.20 : 1.0 Maximum
- 4300 MHz . . . . . 1.80 : 1.0 Maximum
- 4350 MHz . . . . . 2.20 : 1.0 Maximum

Polarization . . . . . Linear

Half Power Beam Width
- E Plane . . . . . NLT 35 deg. Nominal
- H Plane . . . . . NLT 40 deg. Nominal

Gain Sum . . . . . 10.5 dBi Minimum

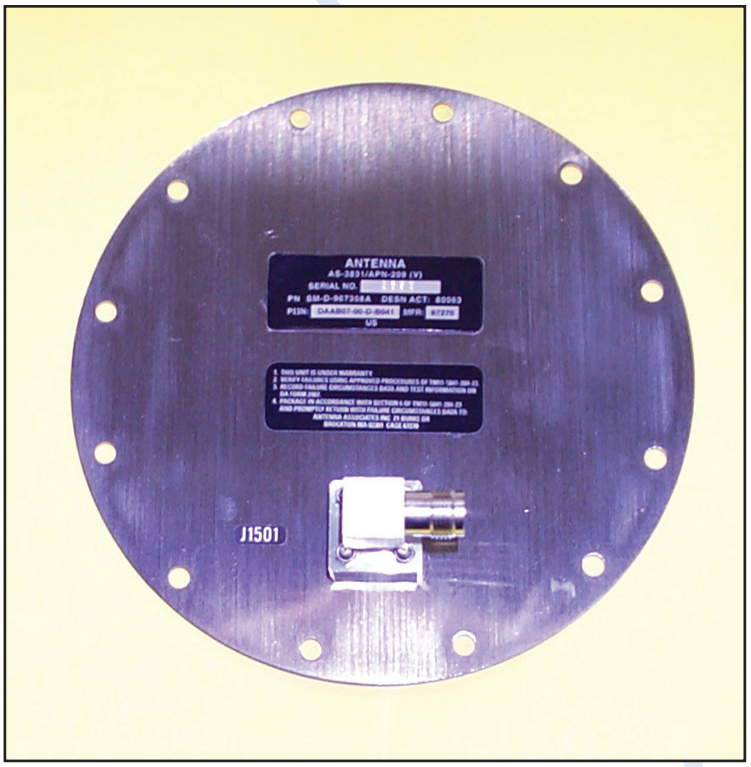
Isolation (Paired) . . . . . 88 dB Minimum

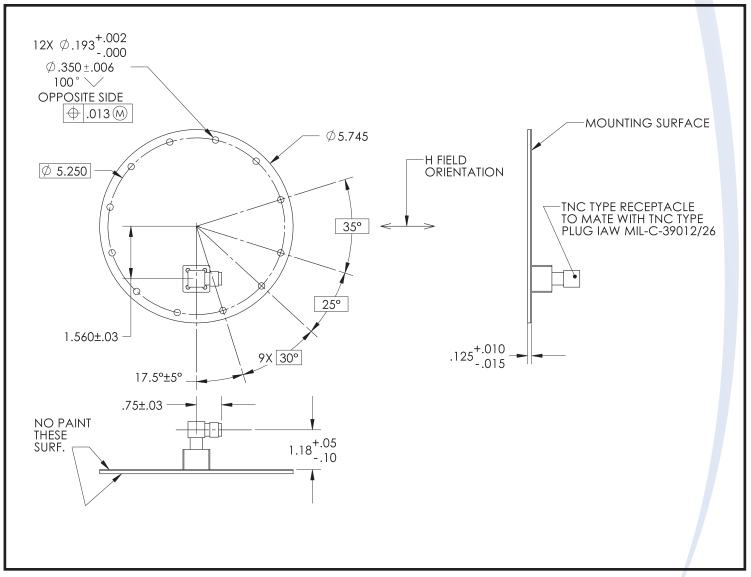
Physical Characteristics:

- Weight. . . . . 9 ozs. (.255 kg)
- Length. . . . . 5.745 in (14.59 cm)
- Height . . . . . 1.60 in (4.06 cm)
- Width . . . . . 5.745 in (14.59 cm)

Construction
- Stainless Steel Body
- Stainless Steel Connector
- Teflon Radome

All antennas manufactured by Antenna Associates are tested to OEM specifications and requirements including VSWR, Radiation Patterns, Isolation, and Second Harmonic Rejection.
Antenna Associates Inc. is the only Honeywell licensed manufacturer approved for use on their AN/APN-209 Altimeter.





LG81AT01 INTERFACE DIMENSIONS

Rev A

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