

ALTIMETER ANTENNA

MODEL 8202 MICROSTRIP



SUPPLYING HIGH PERFORMANCE FLIGHT INSTRUMENTATION, RF/MICROWAVE ASSEMBLIES, POWER AMPLIFIERS, IFF AND DATA ACQUISITION SYSTEMS FOR SEVERE ENVIRONMENTS.

DESCRIPTION

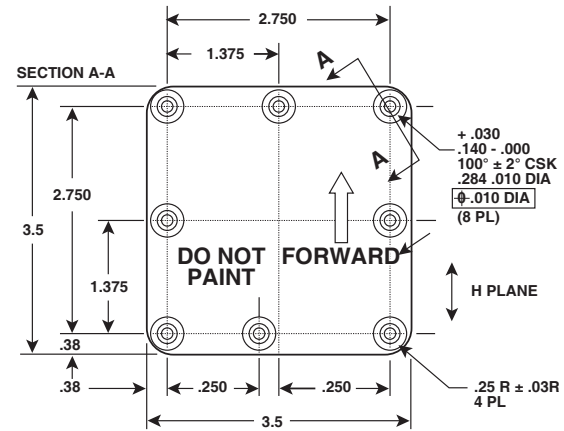
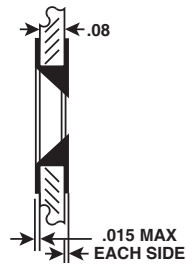
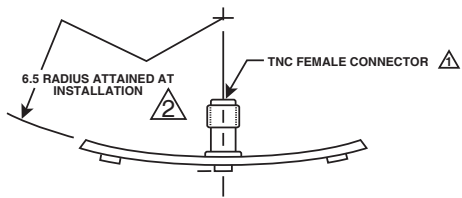
The Ultra Electronics Herley Mode 1 8202 Radar Altimeter Antennas are designed to be used in conjunction with the Ultra Electronics Herley 4502 and 4503 series Radar Altimeters.

FEATURES

- Frequency range of 4.2 to 4.4 GHz
- High temperature operation
- Small size and light weight
- Ease of installation
- Easily contoured or shaped

HERLEY

Ultra
ELECTRONICS



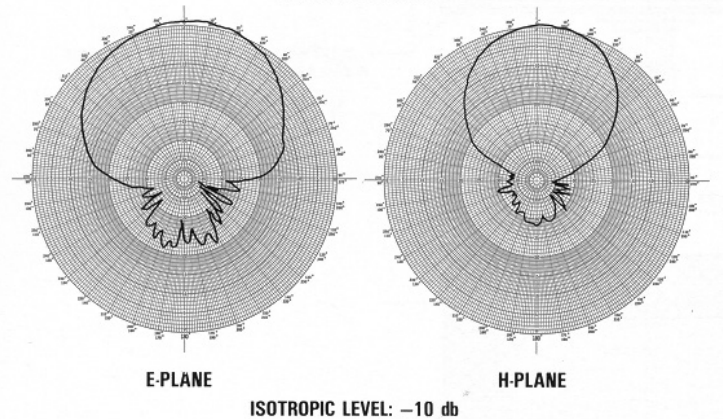
ELECTRICAL

- Frequency Range: 4.2 to 4.4 GHz
- VSWR:
 - 1.8:1 Max at 4300 MHz
 - 2.2:1 Max from 4275 to 4325 MHz
 - 3.0:1 Max 4250 to 4275 AND 4325 to 4350 MHz
- Gain: 9 dbi min
- Beamwidth: 30° minimum 3 db full angle for E and H planes
- Isolation: 85 db minimum at 24 inch spacing, center to center
- Power Handling: 1.0 KW peak
- Side Lobes: below 30 dB

ENVIRONMENTAL

- Altitude: 40,000 ft
- Salt Fog: MIL-STD-810 method 509 procedure 1
- Shock: 15 G's
- Vibration: 8.2 grms
- Operating Temperature: 300° F+

TYPICAL PATTERNS:



MECHANICAL

- Connector: TNC Female per MIL-C-39012 interface dimensions
- Weight: 8 oz. maximum
- Finish: Tin plate back surface per MIL-T-10727. Radome and edge surfaces painted with white polyurethane enamel.



making a difference

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 © Ultra Electronics Limited 2016.
 Printed in USA
 March 2016