

C-BAND SLOTTED BLADE ANTENNA

MODEL 8100C



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

DESCRIPTION

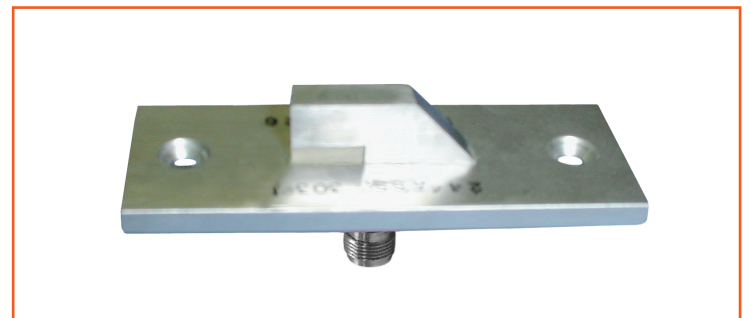
The Model 8100C Slotted Blade C-Band Antenna was developed from the Model 801C version of the slotted blade to fulfill new requirements for lower profiles with the same type of excellent hemi-spherical coverage.

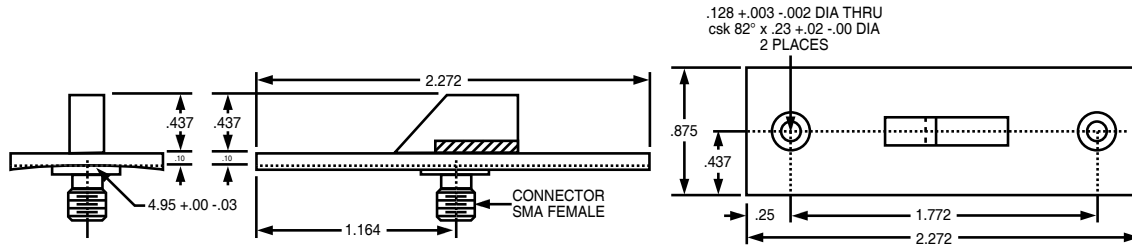
The antenna provides linear radiation coverage with a minimum aerodynamic drag. The body of the antenna is constructed of stainless steel which gives excellent reliability in missile and other high velocity environments.

The 8100C antenna can be used as a single element or in multi-element arrays about the circumference of a vehicle depending on the particular applications and desired pattern coverage. The companion power dividers are Models 853-2C1, 854-3C1, and 855-4C1.

FEATURES

- 5.4 to 5.9 GHz frequency
- Provides linear radiation coverage with a minimum aerodynamic drag
- Antenna body constructed of stainless steel which gives excellent reliability in missile and other high velocity environments
- Used in a single element or in multi-element arrays





ELECTRICAL

- Frequency Range: 5.4 to 5.9 GHz
- Impedance: 50 ohms
- VSWR: 2:1 maximum
- Polarization: Linear response
- Power: 1 kw peak minimum
- Connector: SMA Jack
- Mounting: Standard flange can be altered according to need

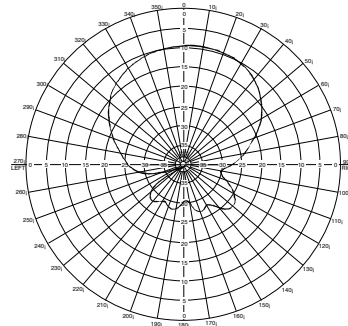
PHYSICAL

- Size: 2.27" x .875" x .5" (5.77 x 2.22 cm)
- Weight: 2 ounces (56.7 gms) maximum

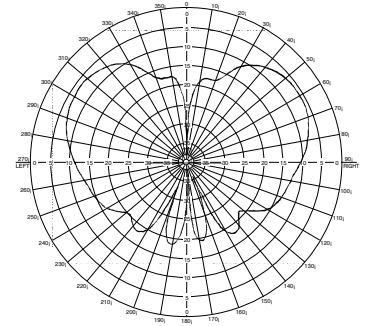
PRODUCT NUMBERS

- P/N 307616-4 - Standard unit

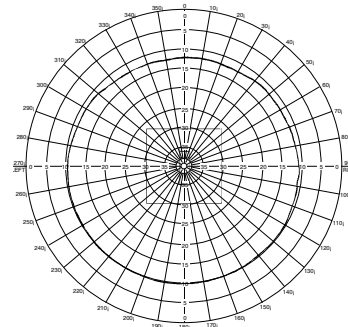
VERTICAL ROLL PLANE



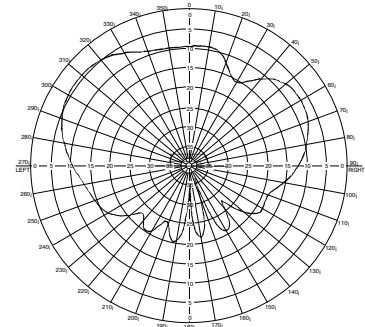
HORIZONTAL ROLL PLANE



VERTICAL YAW PLANE



VERTICAL PITCH PLANE



making a difference

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