

P/N S181FL-L-RMM-2450

#### Alternative Connectors

.Straight MMCX Plug

P/N: S181FL-L-MM-2450

#### Electrical Properties:

Frequency Range: 2.4~2.5 GHz  
Impedance: 50Ω nominal  
VSWR: <2.0:1  
Gain: 2.0 dBi  
Radiation: Omni  
Polarization: Vertical  
Wave: Half Wave Dipole

\*Gain is measured under without flying lead.

#### Mechanical Properties:

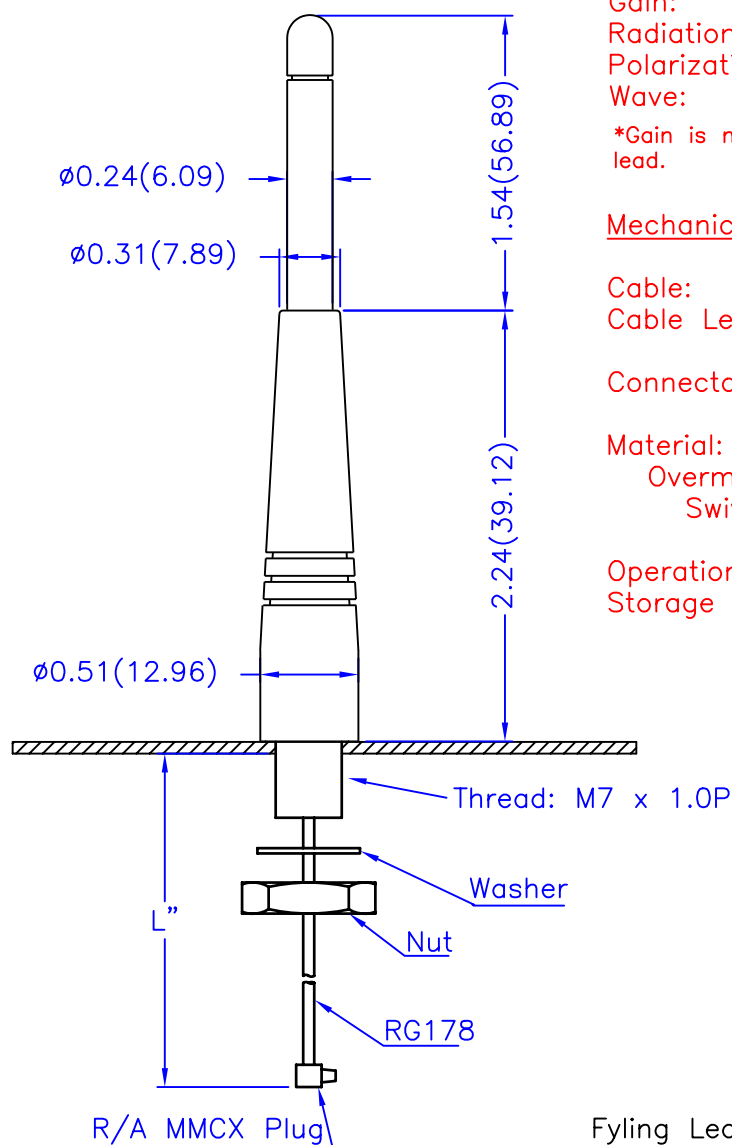
Cable: M17/93-RG178; Harbour Industries  
Cable Length: Standard length L=5 inches.  
or to be specified.

Connector: R/A MMCX Plug(male);  
Nearson 25-03M-TGG

Material:  
Overmold: Polyurethane(Black); BASF  
Swivel: Polyurethane(Black); BASF and  
Polycarbonate(Black); Bayer

Operation Temp.: -20°C to +65°C

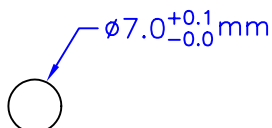
Storage Temp.: -30°C to +75°C



| L (inch) | Attenuation (dB) |
|----------|------------------|
| 3"       | 0.20 dB          |
| 4"       | 0.27 dB          |
| 5"       | 0.33 dB          |
| 6"       | 0.40 dB          |
| 8"       | 0.53 dB          |
| 10"      | 0.66 dB          |
| 12"      | 0.79 dB          |

Flying Lead Cable Length v.s. Attenuation Table  
Standard M17/93-RG178 Cable Measured @ 2.4GHz

Mounting Hole



|        |                                                 |                   |       |
|--------|-------------------------------------------------|-------------------|-------|
| TITLE  | 2.4GHz Fixed Mount Straight Antenna - 181 model | DATE              | SHEET |
| UNIT   | DWG. NO.                                        | S151FL-L-RMM-2450 | A4    |
| in(mm) |                                                 |                   |       |
| SCALE  |                                                 |                   |       |
| NONE   |                                                 |                   |       |

**NEARSON**