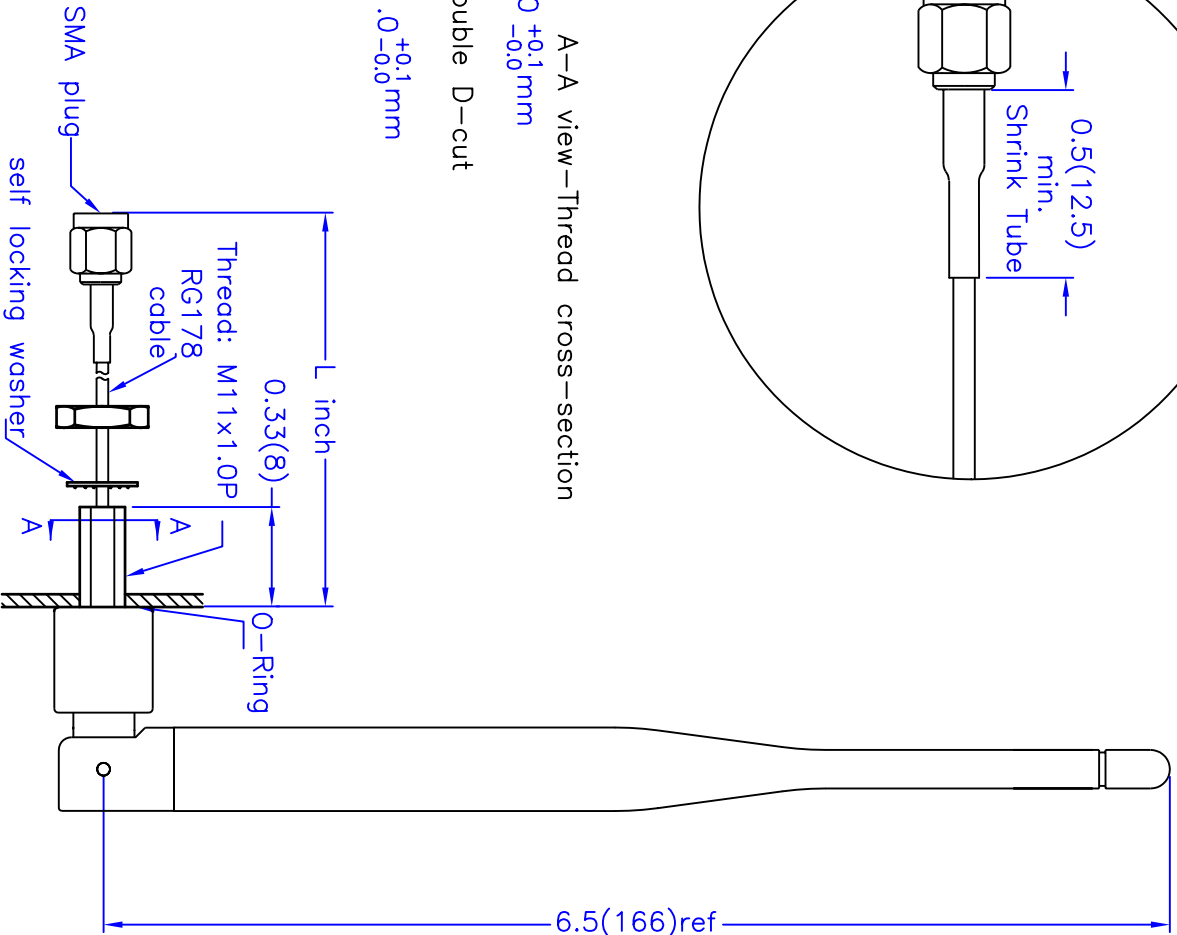
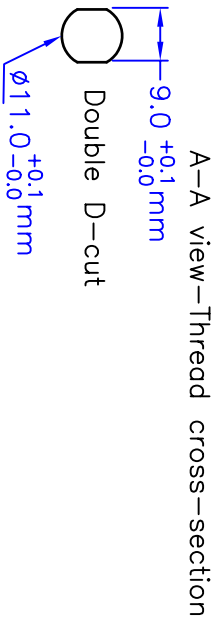
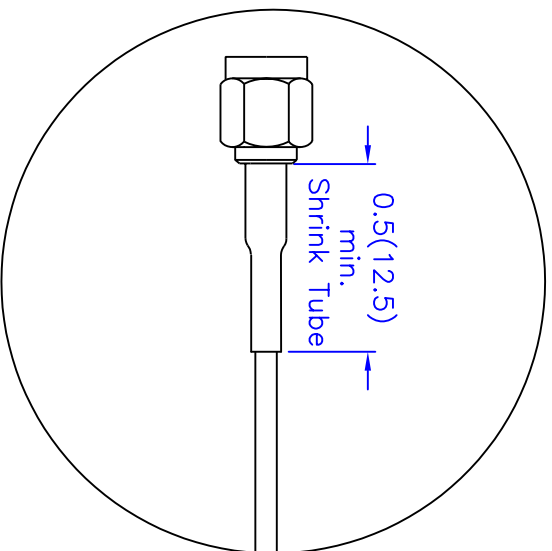


Alternative Connectors

.Straight SMA Plug(male)

P/N: S151FL-L-AM-2450S

8/30/02	change mounting thread/hole from round to double D-cut
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Electrical Properties:

Frequency Range: 2.4~2.5 GHz
Impedance: 50 Ω nominal
VSWR: <2.0:1
Gain: *5.0 dBi
Radiation: Omni
Polarization: Vertical
*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: SMA Reverse Polarity Plug(female); Nearson 35-02M-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

TITLE	2.4GHz Fixed Mount Swivel Antenna - 151 Model	DATE		SHEET	1 of 2
UNIT	DWG. NO. S151FL-L-AH-2450S				
in.(mm)					
SCALE					
None					

NEARSON

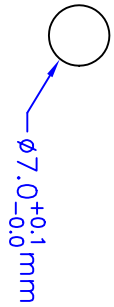
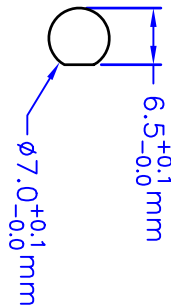
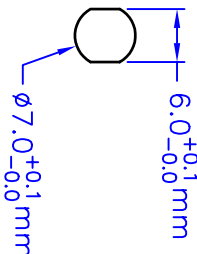
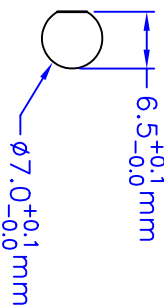
Alternative Connectors

.Straight SMA Plug(male)

P/N: S151FL-L-AM-2450S

ECN	Date	Description
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8/30/02	change mounting thread/hole from round to double D-cut
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 <p>round</p> <p>$\phi 7.0^{+0.1}_{-0.0} \text{ mm}$</p>	 <p>right D-cut</p> <p>$6.5^{+0.1}_{-0.0} \text{ mm}$</p> <p>$\phi 7.0^{+0.1}_{-0.0} \text{ mm}$</p>
 <p>double D-cut</p> <p>$6.0^{+0.1}_{-0.0} \text{ mm}$</p> <p>$\phi 7.0^{+0.1}_{-0.0} \text{ mm}$</p>	 <p>left D-cut</p> <p>$6.5^{+0.1}_{-0.0} \text{ mm}$</p> <p>$\phi 7.0^{+0.1}_{-0.0} \text{ mm}$</p>

Recommended Mounting-Hole Dimensions

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

TITLE	2.4GHz Fixed Mount Swivel	DATE	SHEET
UNIT	Antenna - 151 Model		2 of 2
in.(mm)	DWG. NO. S151FL-L-AH-2450S		
SCALE			
None			