

P/N S181FL-L-RMM-2450S

Alternative Connectors

.Straight MMCX Plug

P/N: S181FL-L-MM-2450S

ECN Date Description

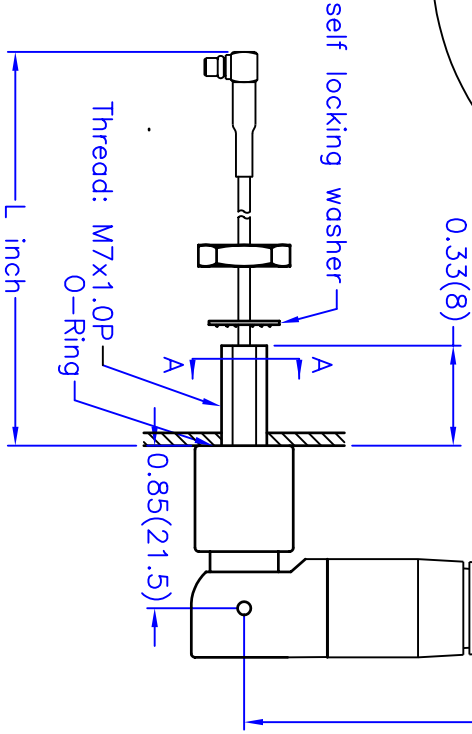
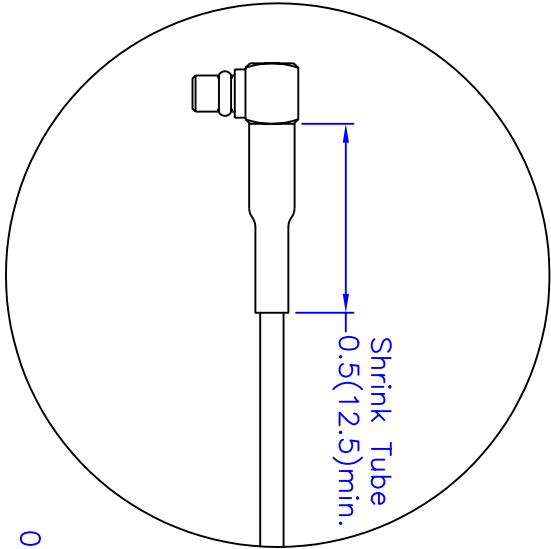
5/30/02	change mounting thread/hole from round to double D-cut
6/15/02	Supersede P/N S181FL-L-RMM-2450S-DR

Electrical Properties:

Frequency Range: 2.4~2.5 GHz
Impedance: 50Ω nominal
VSWR: <2.0:1
Gain: *2.0 dBi
Radiation: Omni
Polarization: Vertical
*Gain is measured under no 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



A-A view-Thread cross-section



TITLE	2.4GHz Fixed Mount Swivel	DATE	SHEET
UNIT	Antenna — 181 Model		1 of 2
in.(mm)	DWG. NO. S181FL-L-RMM-2450S		
SCALE			
None			

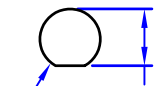
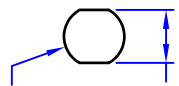
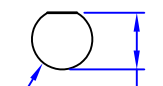
NEARSON

Alternative Connectors

.Straight MMCX Plug

P/N: S181FL-L-MM-2450S

ECN	Date	Description
	5/30/02	change mounting thread/hole from round to double D-cut
	6/15/02	Supersede P/N S181FL-L-RMM-2450S-DR

 round $\phi 7.0^{+0.1}_{-0.0} \text{ mm}$	 right D-cut $6.5^{+0.1}_{-0.0} \text{ mm}$ $\phi 7.0^{+0.1}_{-0.0} \text{ mm}$
 double D-cut $6.0^{+0.1}_{-0.0} \text{ mm}$ $\phi 7.0^{+0.1}_{-0.0} \text{ mm}$	 left D-cut $6.5^{+0.1}_{-0.0} \text{ mm}$ $\phi 7.0^{+0.1}_{-0.0} \text{ mm}$

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 Antenna — 181 Model	DATE	SHEET
UNIT	DWG. NO. S181FL-L-RMM-2450S		2 of 2
in.(mm)			
SCALE			
None			