

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  
 Standard length L=5 inches.  
 Cable Length: or to be specified.  
 Connector: R/A MMCX Plug(male);  
 Nearson 25-03M-TGG  
 Material: Polyurethane(Black); BASF  
 Overmold: Polyurethane(Black); BASF and  
 Swivel: Polycarbonate(Black); Bayer  
 Operation Temp.: -20°C to +65°C  
 Storage Temp.: -30°C to +75°C

**Connector Interface**




TITLE	2.4GHz Fixed Mount Swivel Antenna - 181 Model	DATE	021805	SHEET	1 of 2
UNIT	DWG. NO.	S181FL - RMM - 2450S			
in.(mm)					
SCALE					
none					

**NEARSON**

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
			021805	2 of 2
UNIT	DWG. NO.	S181FL - RMM - 2450S		
in.(mm)				
SCALE				
none				