



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			

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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.	021805	2 of 2
in.(mm)	S181FL - RMM - 2450S	NEARSON	
SCALE	none		

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