

P/N S141AM-2450

Alternative Connectors

.SMA Reverse Polarity Plug(female)

P/N: S141AH-2450

.SMA Reverse Thread Plug(male)

P/N: S141AT-2450

Electrical Properties:

Frequency Range: 2.4~2.5 GHz

Impedance: 50 Ω nominal

VSWR: <2.0:1

Gain: 2 dBi

Radiation: Omni

Polarization: Vertical

Wave: Half Wave Dipole

Mechanical Properties:

Connector*: SMA Plug(male)

Material:

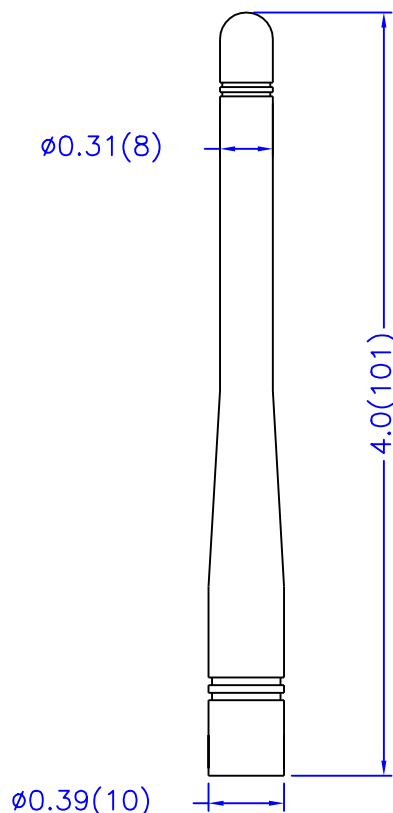
Whip: Polyurethane(Black)

Connector: Brass with gold plating

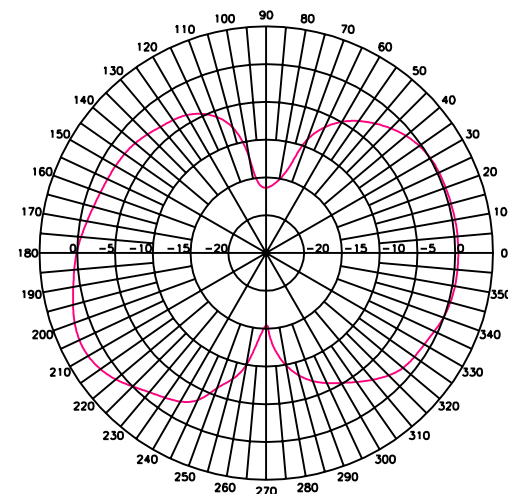
Operation Temp.: -20°C to +65°C

Storage Temp.: -30°C to +75°C

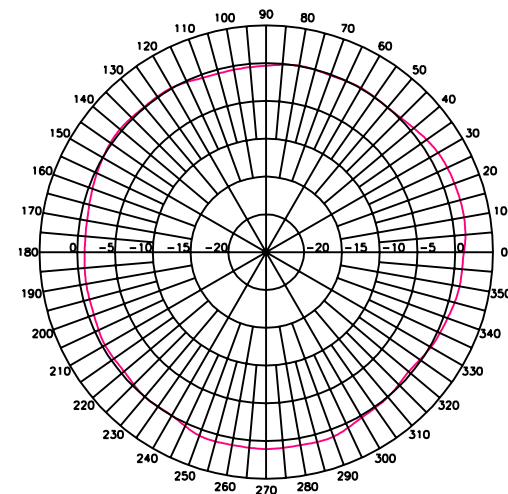
*Connector is covered by the overmold.



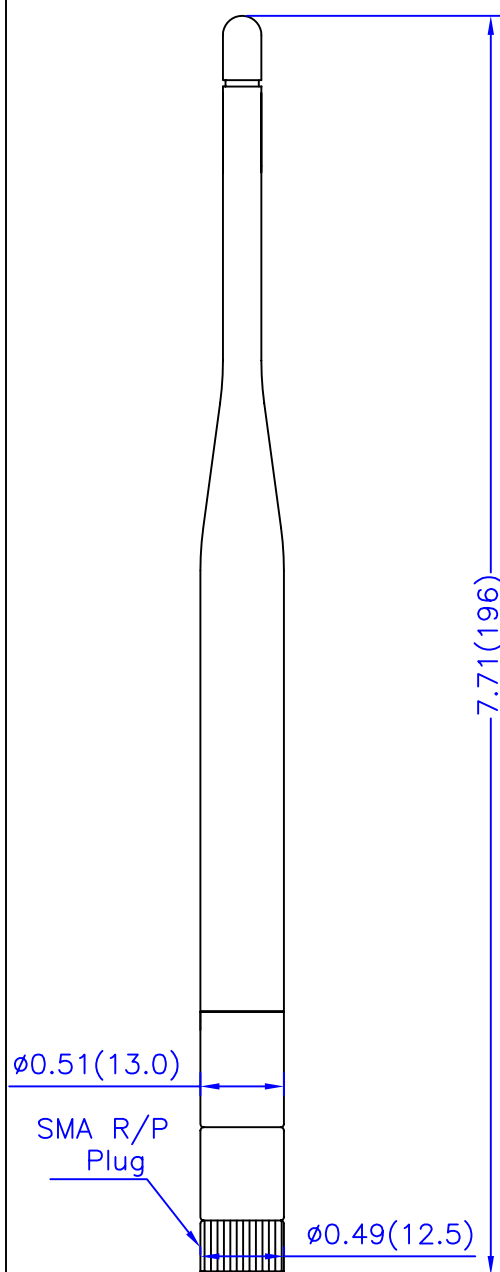
E-Plane Pattern @ 2.45GHz



H-Plane Pattern @ 2.45GHz



TITLE	2.4GHz Straight Antenna 141 model		VER
UNIT	DWG. NO.	S141AM-2450	
in.(mm)	NEARSON		
SCALE			
1:1			



Electrical Properties:

Frequency Range: 2.4~2.5 GHz
 Impedance: 50Ω nominal
 VSWR: <2.0:1
 Gain*: 5 dBi
 Radiation: Omni
 Polarization: Vertical

* Gain is measured without magnet base

Mechanical Properties:

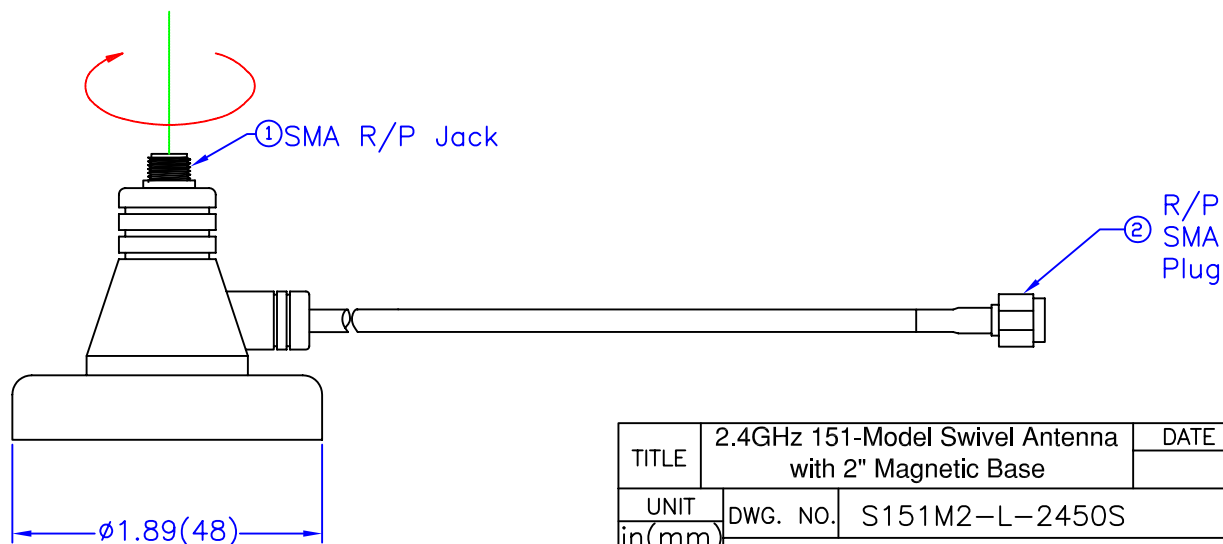
Antenna:
 Whip: Polyurethane(black)
 Connector: SMA R/P plug(female) black chrome plating

Magnet Base:
 Connector1: SMA R/P jack(male) gold plating
 Cable: Low Loss, High Performance Cable, Black Jacket

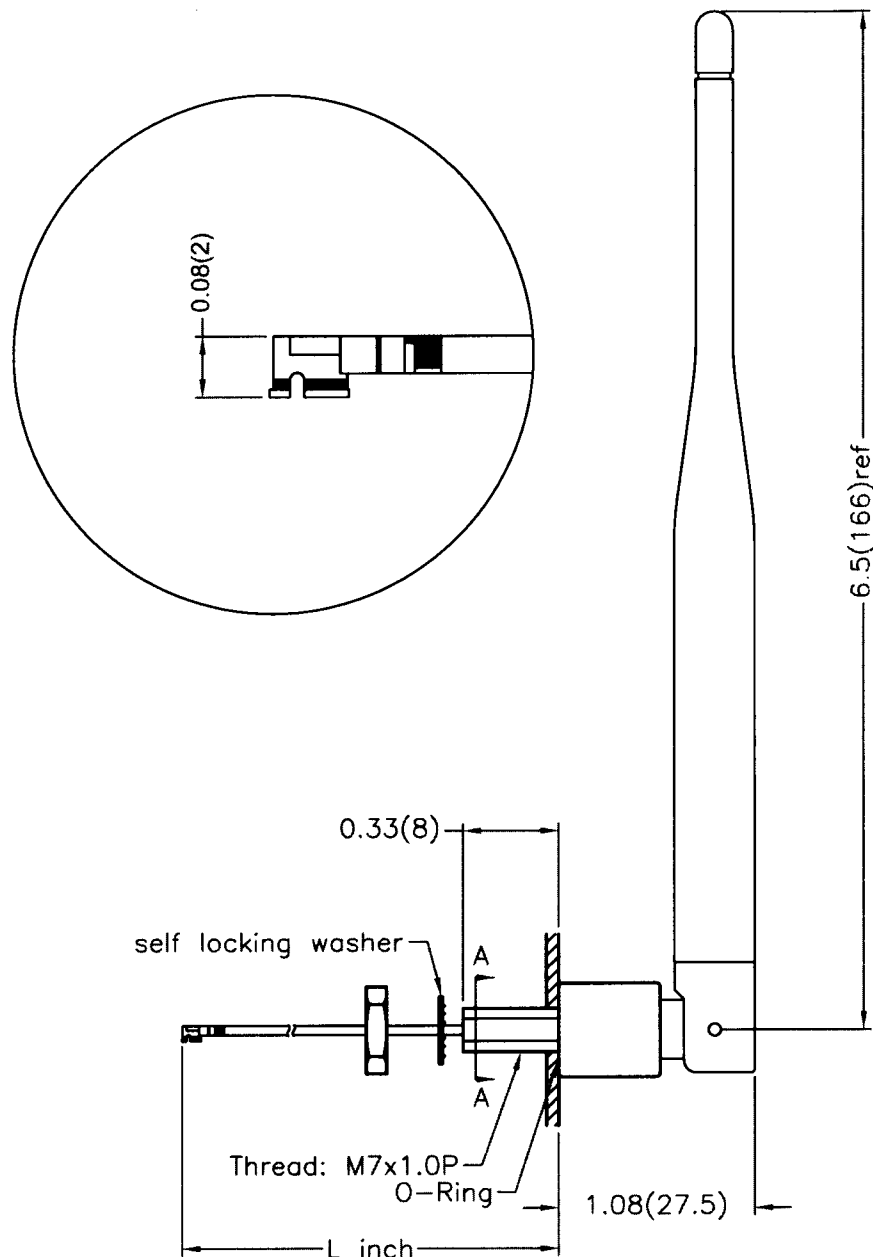
Cable Length: 14in.(355mm)
 Connector2**: SMA R/P plug(male) gold plating
 Nearson P/N: 35-02L-TGG

Mounting Force: 5.5 lb (3.3kg), Magnetic Base
 Operation Temp.: -20°C to $+65^{\circ}\text{C}$
 Storage Temp.: -30°C to $+75^{\circ}\text{C}$

** Connector 2 also available for:
 Reverse Polarity TNC plug,
 Right Angle MMCX plug,
 Lucent MC Connector.



TITLE	2.4GHz 151-Model Swivel Antenna with 2" Magnetic Base		DATE	SHEET
UNIT	DWG. NO.	S151M2-L-2450S		1 OF 2
in(mm)				A4
SCALE				
1 : 1.2				

Electrical Properties:

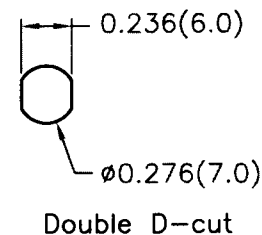
Frequency Range: 2.4~2.5 GHz
 Impedance: 50Ω nominal
 VSWR: <2.0:1
 Gain: *5.0 dBi
 Radiation: Omni
 Polarization: Vertical

*Gain is measured under without flying lead.

Mechanical Properties:

Cable: 1.37mm coaxial cable, standard length L=5 inches.
 Connector: IPEX plug connector, Hirose U.FL compatible(female)
 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	2.4 GHz Fixed Mount Swivel		DATE	SHEET
	Antenna - 151 Model		062005	1 of 2
UNIT	DWG. NO. S151FL-L-PX-2450S			
in.(mm)				
SCALE				
None				

NEARSON