

P/N S181TC-2450R

Alternative Connectors

.SMA Reverse Polarity Plug(female)

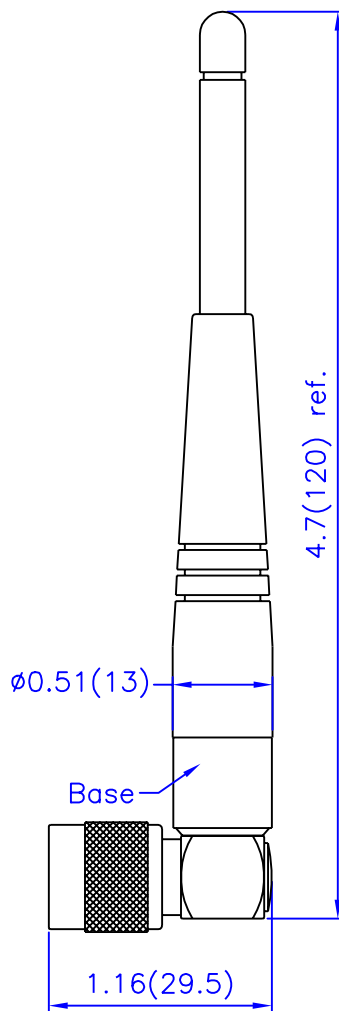
P/N: S181TR-2450R

Electrical Properties:

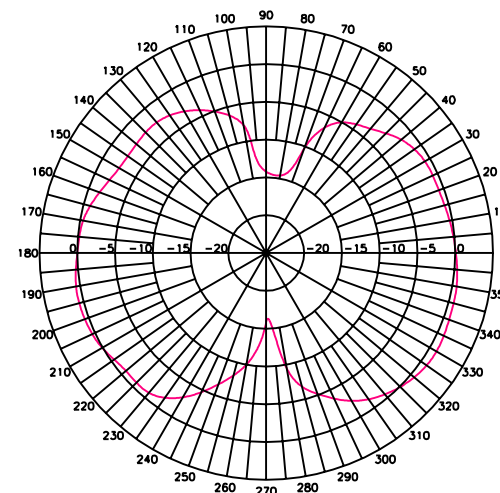
Frequency Range: 2.4~2.5 GHz
 Impedance: 50Ω nominal
 VSWR: <2.0:1
 Gain: 2 dBi
 Radiation: Omni
 Polarization: Vertical
 Wave: Half Wave Dipole

Mechanical Properties:

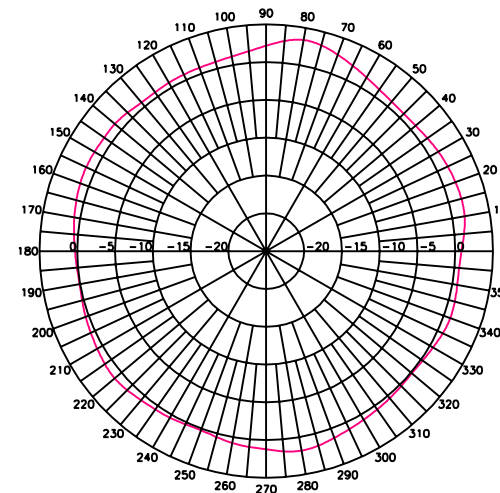
Connector: TNC Plug(male)
 Material:
 Whip: Polyurethane(Black)
 Base: Polycarbonate(Black)
 Connector: Brass with black chrome plating
 Operation Temp.: -20°C to +65°C
 Storage Temp.: -30°C to +75°C



E-Plane Pattern @ 2.45GHz



H-Plane Pattern @ 2.45GHz



TITLE	2.4GHz Right Angle Antenna 181 Model		VER
UNIT	DWG. NO.	S181TC-2450R	
in.(mm)			
SCALE			
1:1			

CH1 S22

dB MAG 10 dB/

REF 0 dB

▼3: -18.29 dB

50 dB

2.45 GHz

▼1: -14.17 dB

2.4 GHz

▼2: -13.33 dB

2.5 GHz

10 dB/

0 dB

-50 dB

CAL

CH2 S22

LIN SWR 1 U/

REF 1 U

▼3: 1.277 U

11 U

2.45 GHz

▼1: 1.486 U

2.4 GHz

▼2: 1.550 U

2.5 GHz

1 U/

CPL

FIL
1k

1 U

START 2 GHz

100 MHz/

STOP 3 GHz

Date: 26.MAR.03 10:43:13

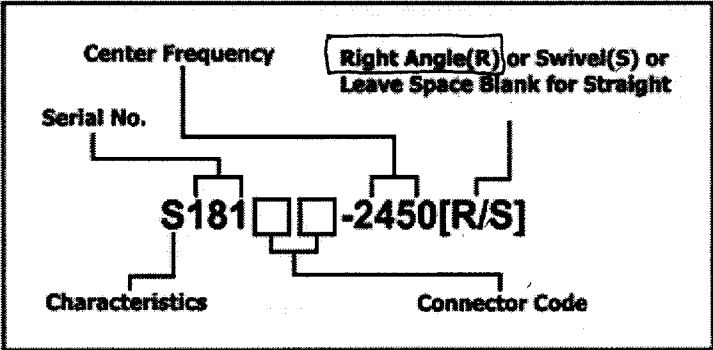
Nearson

S181TR-2450 R

Fixed right angle

Reverse TNC

Selection Guide



EXAMPLE: S181AH-2450S

Description: ISM band, 181 Series swivel, SMA reverse polarity plug connector at 2.45 GHz central frequency

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Characteristics Code

- M SMR (806~866MHz)
- S** ISM (902~928MHz, 2.4~2.5GHz)
- C Cellular (824~896MHz, 890~960MHz)
- P PCS/DCS (1850~1990MHz, 1710~1880MHz)
- L Land Mobile (VHF and UHF)
- X Dual Band (VHF and UHF)
- D Dual Band (Cellular/PCS)

Connector Code

- TC TNC Plug
- TR** TNC Reverse Polarity Plug
- AM SMA Plug
- AF SMA Jack
- AH SMA Reverse Polarity Plug
- AT SMA Reverse Thread Plug
- BC BNC Plug
- N N Plug
- MX MCX Plug
- MM MMCX Plug
- MU Mini-UHF Plug
- NC No Connector

If you have any special requirement, please contact us
OEM and ODM welcome in quantity.

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