



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



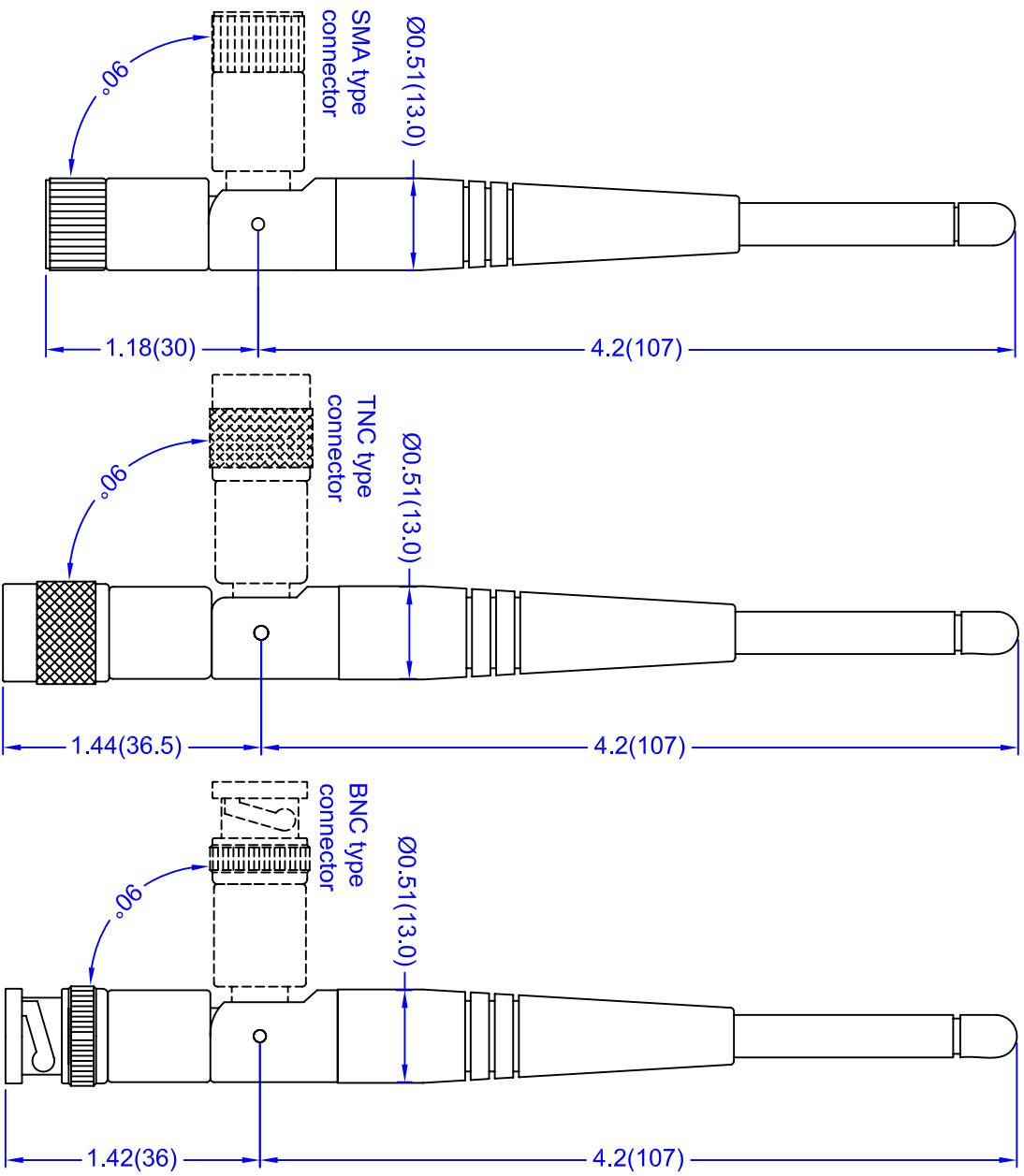
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Electrical Properties:

- 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:

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







This is a RoHS compliant product.

| | | | | |
|----------------|---------------------------------|----------------|-----------|--------|
| TITLE | 2.4GHz Swivel Antenna-181 Model | | Rev. Date | SHEET |
| UNIT | DWG. NO. | S181XX - 2450S | 01/22/06 | 1 of 2 |
| in.(mm) | | | | |
| SCALE | 1:1 | | | |
| NEARSON | | | | |

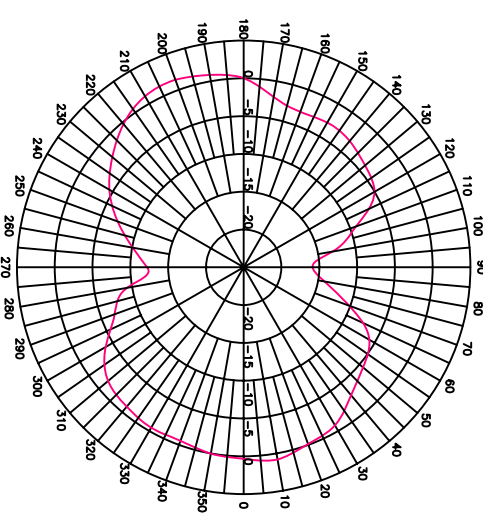
Series Part Numbers

| Connector Code -XX- | Description | P / N |
|------------------------|---------------------------|--------------|
| AM | SMA Plug | S181AM-2450S |
| AH | SMA Plug Reverse Polarity | S181AH-2450S |
| TC | TNC Plug | S181TC-2450S |
| TR | TNC Plug Reverse Polarity | S181TR-2450S |
| BC | BNC Plug | S181BC-2450S |
| BR | BNC Plug Reverse Polarity | S181BR-2450S |

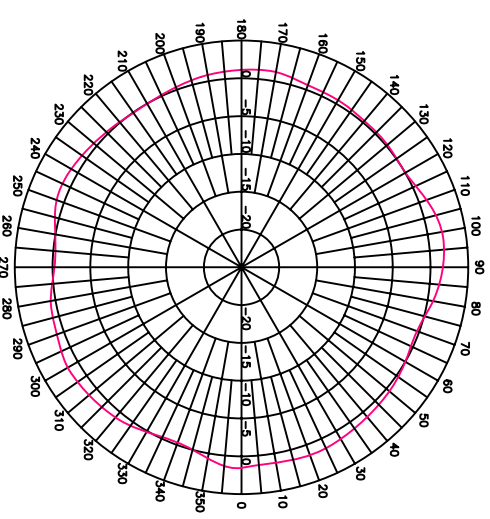
Connector Interface

| | | |
|--|--|---|
|  SMA Plug (AM) |  TNC Plug (TC) |  BNC Plug (BC) |
|  SMA Plug Reverse Polarity (AH) |  TNC Plug Reverse Polarity (TR) |  BNC Plug Reverse Polarity (BR) |

E-Plane Pattern @ 2.45GHz



H-Plane Pattern @ 2.45GHz



| | | | | |
|---|---------------------------------|--|-----------|--------|
| TITLE | 2.4GHz Swivel Antenna-181 Model | | Rev. Date | SHEET |
| UNIT | in.(mm) | | 01/22/06 | 2 of 2 |
| SCALE | none | | | |
| DWG. NO. | S181XX - 2450S | | | |
| NEARSON | | | | |
| http://www.nearson.com | | | | |