

SMA Female Connector Solder Receptacle Terminal

RF Connector Technical Data Sheet **S-180-TGG**

Configuration

- SMA Female Connectr
- Solder
- 50 Ohms
- Receptacle Terminal

Features

- Max VSWR of 1.25 : 1 up to 18 GHz
- SMA Interface compliant with MIL-STD-348A

Applications

- General Purpose Test

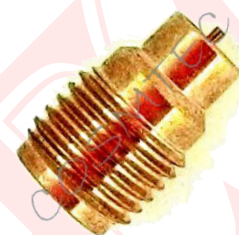
Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|----------|-------|
| Frequency Range | DC | | 18 | GHz |
| VSWR | | | 1.25 : 1 | |

Mechanical Specifications

Size

| | | |
|--------|------|------|
| Length | [mm] | 10.1 |
| Width | [mm] | 6.22 |
| Height | [mm] | - |
| Weight | [g] | 0.95 |



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Weight

| Description | Connector |
|-------------------------|-----------------------------|
| Type | SMA Female |
| Polarity | Standard |
| Interface Specification | MIL-STD-348A MIL-C-39012 |
| Mating Cycles | 500 |

Material Specifications

| Connector 1 | | |
|-------------|------------------|---------|
| Description | Material | Plating |
| Type | SMA Female | - |
| Contact | Beryllium Copper | Gold |
| Insulation | PTFE | - |
| Body | Brass | Gold |

Environmental Specifications
Temperature

Operating Range -50 to +165 deg C

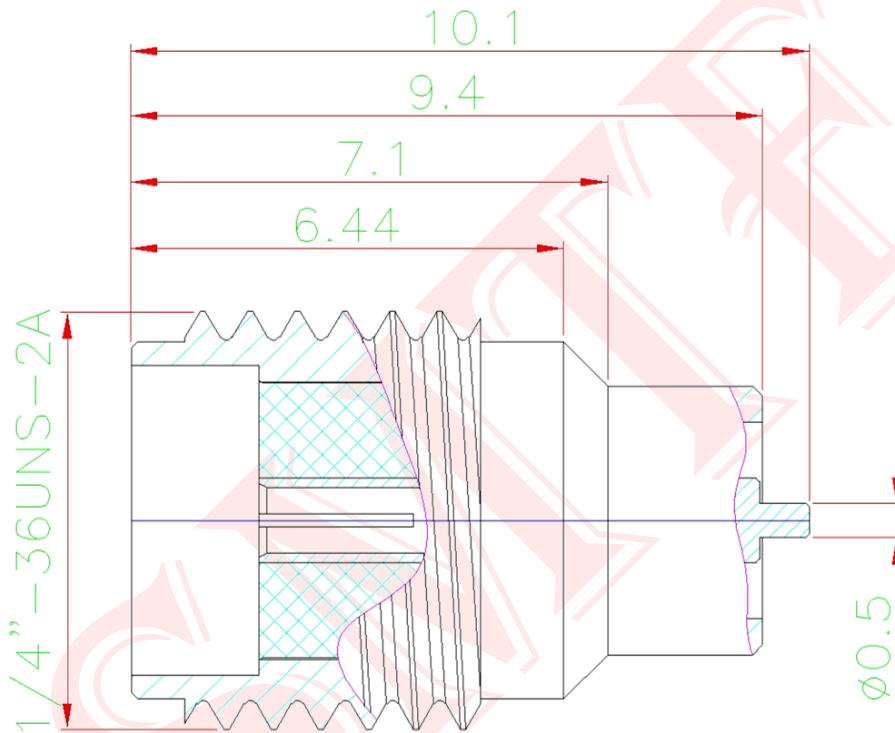
Compliance Certifications



- RoHS Compliant Yes

Plotted and Other Data

Notes :

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| | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|----------|--------|------------------------------------------------------|
| <small>Dimensions Are in Millimeters Unless Otherwise Specified Tolerances</small> 0.5-6 = ± 0.2 6-30 = ± 0.4 30-120 = ± 0.6 120-315 = ± 1.0 315-1000 = ± 1.6 1000-2000 = ± 2.4 | | | |  COSMTEC RESOURCES CO., LTD | | | Part No. | S-180 | |
| NO | Description | Material | Finish |  | DRAFT | CHECKED | APPROVED | Title: | SMA JACK RECEPTACLE TERMINAL SOLDER FOR PCB MOUNT |
| 1 | Body | Brass | Gold | | | | | DATE: | SEP/22/2016 |
| 2 | Contact | BeCu | Gold | | | | | SCALE: | 1:1 |
| 3 | Insulator | Teflon | — | | | | | UNIT: | m/m |
| | | | | <small>The Drawing Contains Information That is Proprietary To Cosmttec Resources Co., Ltd And Should Not Be Used Without Written Permission. www.cosmttec.com</small> | | | | REV | A |