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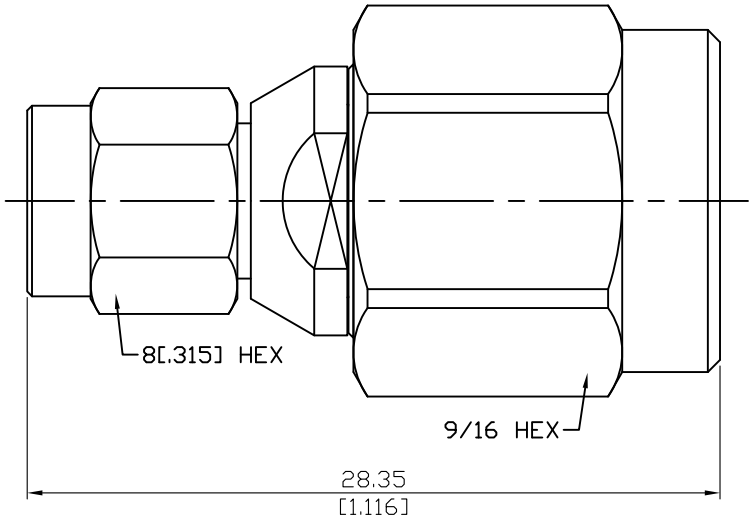
| ADS-PC3T3-18-1.2 | 3.5mm Plug To TNC Plug<br>18GHz VSWR 1.2 | 50Ω |
|---|---|---|




| Parts | Material | Plating ( Micro-inch ) |
|---|---|---|
| Coupling Nut | Stainless Steel | Passivated |
| Body | Stainless Steel | Passivated |
| Insulator (TNC) | Teflon | |
| Insulator (3.5) | PPO | |
| Contact Pin | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Gasket | Silicone | |
| Retainer Ring (TNC) | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 |
| Retainer Ring (3.5) | Beryllium Copper | Tin-Zinc-Copper-Alloy 100 Over Copper 50 |

This part number complies with RoHS.
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

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| ADS-PC3T3-18-1.2 | 3.5mm Plug To TNC Plug<br>18GHz VSWR 1.2 |
|---|---|

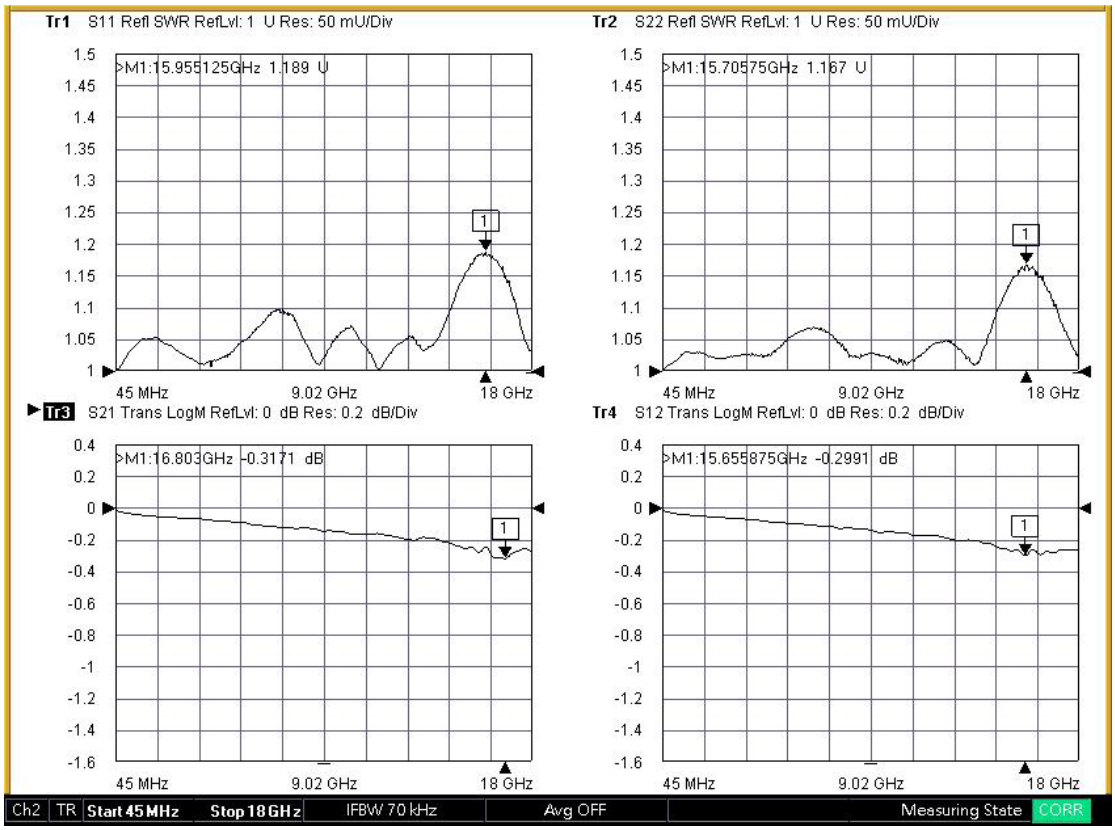
| Interface | 3.5 | TNC |
|---|---|---|
| Standard | IEC60169-23 | MIL-STD-348B |
| Mechanically compatible with | 2.92 & SMA | |

| Electrical Data | |
|---|---|
| Impedance | 50Ω |
| Frequency Range | DC To 18GHz |
| VSWR | ≦1.2 (DC To 18GHz) |
| Insertion Loss | ≦0.05 x $\sqrt{f}$(GHz) dB |
| Insulation Resistance | ≧5000MΩ |
| Dielectric Withstanding Voltage (at sea level) | 1000 V rms |
| Working Voltage (at sea level) | 335 V rms |

| Mechanical Data | 3.5 | TNC |
|---|---|---|
| Recommended Coupling Nut Torque | 7.1 to 9.7 in-lbs | 4.1 to 6.1 in-lbs |
| Coupling Proof Torque | 15 in-lbs | 15 in-lbs |
| Coupling Nut Retention Force | ≧60.7 lbs | ≧101.2 lbs |
| Contact Captivation-axial | ≧6.1 lbs | ≧6.1 lbs |
| Durability (mating) | ≧500 | ≧500 |

| Environmental Data | |
|---|---|
| Temperature Range | -55°C to +105°C |
| Thermal Shock | MIL-STD-202, Method 107, Condition B |
| Moisture Resistance | MIL-STD-202, Method 206 |
| Corrosion | MIL-STD-202, Method 101, Condition B |
| RoHS | Compliant |

# ADS-PC3T3-18-1.2




Note: S11/S12/S21/S22 plots shown represent IL and VSWR of two adaptors tested. To extract IL of a single adaptor divide IL measured by two.