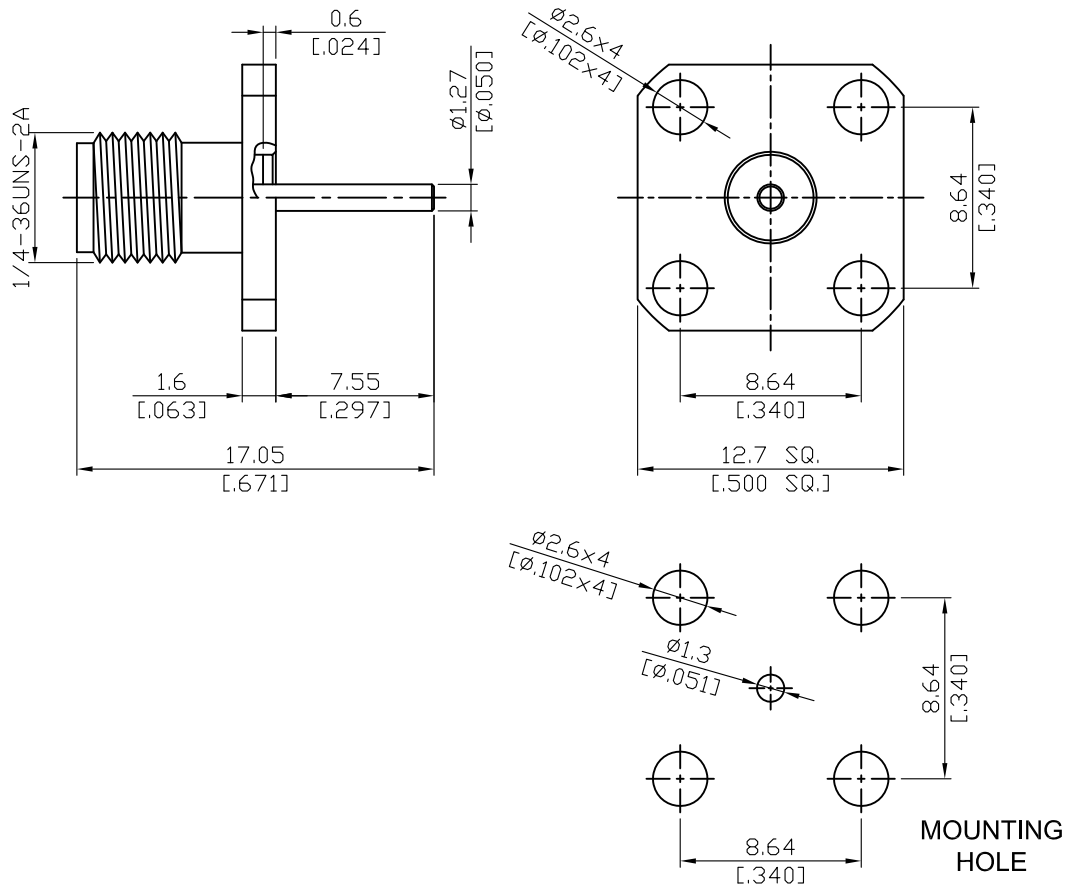


SMA8640-0/7.55

SMA Jack SQ 12.7mm 4 Hole Flange With Round Contact  
 (Φ1.27;L=7.55) & Dielectric Recessed 0.6mm from Flange Face;  
 18GHz VSWR 1.2

50Ω



Parts	Material	Plating ( Micro-inch )
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

## SMA

## SMA8640-0/7.55

## Interface

MIL-STD-348B

Mechanically compatible with

2.92 &amp; 3.5

## Electrical Data

Impedance

50Ω

Frequency range

DC to 18GHz

VSWR

 $\leq 1.2$  (DC to 18GHz)

Insertion loss

 $\leq 0.04 \times \sqrt{f(\text{GHz})}$  dB

Insulation resistance

 $\geq 5000\text{M}\Omega$ 

Contact resistance inner conductor

 $\leq 3\text{m}\Omega$ 

Contact resistance outer conductor

 $\leq 2\text{m}\Omega$ 

Dielectric withstanding voltage (at sea level)

1500 V rms

Working voltage (at sea level)

500 V rms

## Mechanical Data

Recommended coupling nut torque

4 inch lbs

Coupling proof torque

5.3 inch lbs

Coupling nut retention force

 $\geq 60.7$  lbs

Contact Captivation-axial

 $\geq 6.1$  lbs

Durability (mating)

 $\geq 100$ 

## Environmental Data

Temperature range

-65°C to +165°C

Thermal shock

MIL-STD-202, Method 107, Condition B

Moisture resistance

MIL-STD-202, Method 106

Corrosion

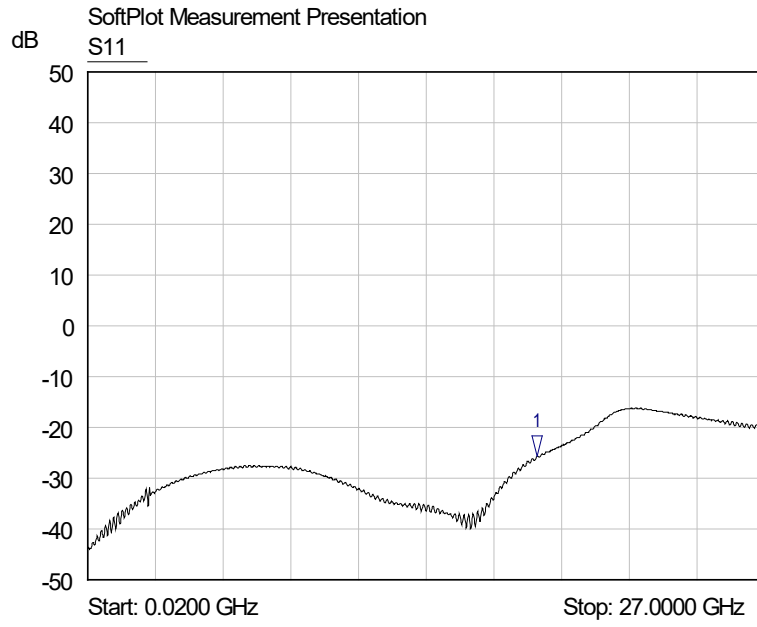
MIL-STD-202, Method 101, Condition B

RoHS

Compliant

## Tooling

# SMA8640-0/7.55



1 S11  
▽ 17.9400 GHz  
-25.70 dB

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