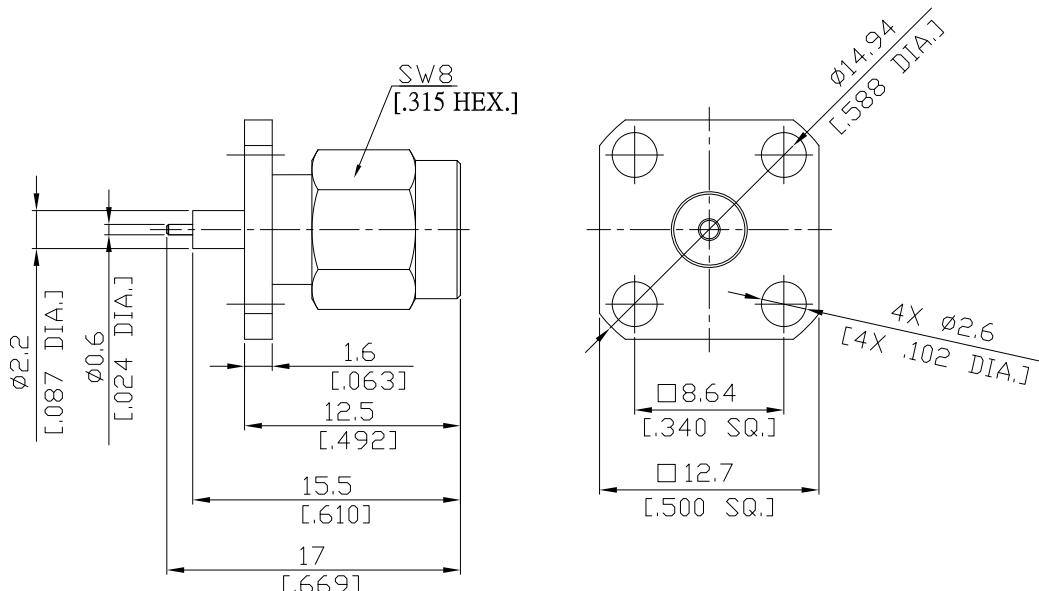


SMA plug (male) Connector Solder Attachment 4 Hole Flange Mount  
Stub Terminal, 8.64mm (.340 inch) Hole Spacing DC-18GHz VSWR1.30

## SMA1GFA50-1700A / 1XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 61169-15; MIL-STD-348B/310

### Electrical Data

Impedance 50 Ω

Frequency DC to 18 GHz

VSWR (Return Loss) ≤ 1.30 ( $\geq 17.7$  dB)

Insertion Loss ≤  $0.05 \times \sqrt{f}$  (GHz) dB

Insulation Resistance ≥ 5 GΩ

Center Contact Resistance ≤ 3 mΩ

Outer Contact Resistance ≤ 2 mΩ

Test Voltage 1000 V rms

Working Voltage (at sea level) 480 V rms

Power Handling (at 20 °C, sea level, VSWR 1.0) ≤ 200 W @ 2 GHz

### Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

SMA plug (male) Connector Solder Attachment 4 Hole Flange Mount  
Stub Terminal, 8.64mm (.340 inch) Hole Spacing DC-18GHz VSWR1.30

## SMA1GFA50-1700A / 1XX

## Mechanical Data

## Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond.D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

## Packing

Single or 100