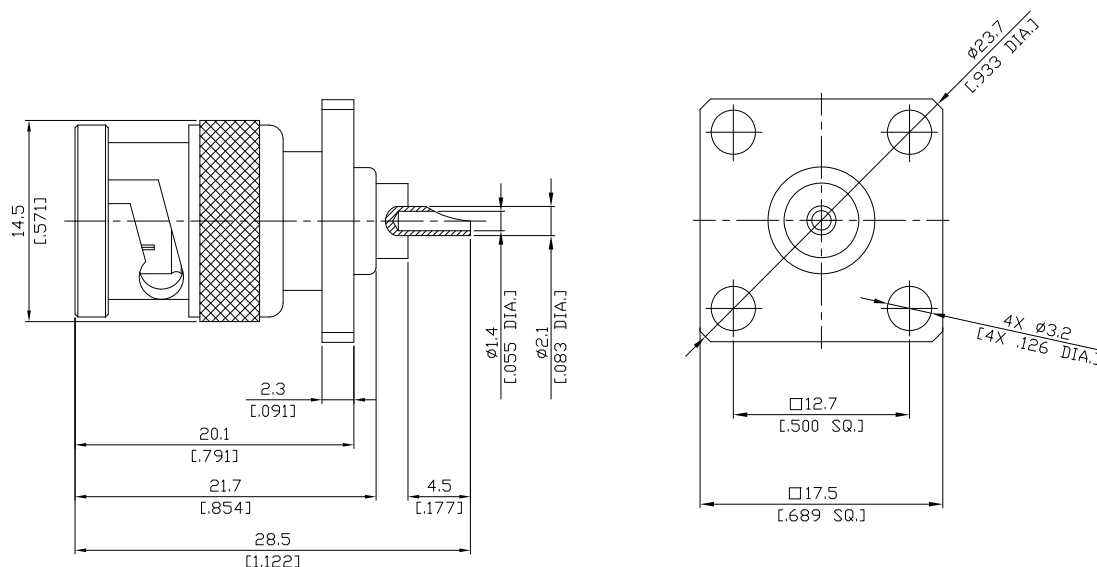


BNC Plug (male) Connector Solder Attachment 4 Hole Flange Mount  
Solder Cup Terminal, 12.7mm (.500 inch) Hole Spacing DC-4GHz VSWR1.22

## BNC1GFB50-2850A / 133



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 60169-8; MIL-STD-348B/301

### Electrical Data

Impedance	50 Ω	
Frequency	DC to 4 GHz	
VSWR (Return Loss)	≤ 1.22 (≥ 20 dB)	2.5 to 4 GHz
Insertion Loss	≤ 0.05 × √F (GHz) dB	DC to 4 GHz
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 1.5 mΩ	
Outer Contact Resistance	≤ 1 mΩ	
Test Voltage	1500 V rms	
Working Voltage (at sea level)	400 V rms	
Power Handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 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	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel

BNC Plug (male) Connector Solder Attachment 4 Hole Flange Mount  
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## BNC1GFB50-2850A / 133

### Mechanical Data

Coupling mechanisms	Bayonet
Mating Cycles	≥ 500
Centre Contact	Soldered
Terminal Type	Solder cup
Captivated Type	Mechanical
Center Contact Captivation: axial	≥ 15 N

### Environmental Data

Temperature Range	-55°C to +155°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. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

### Packing

Single or 100