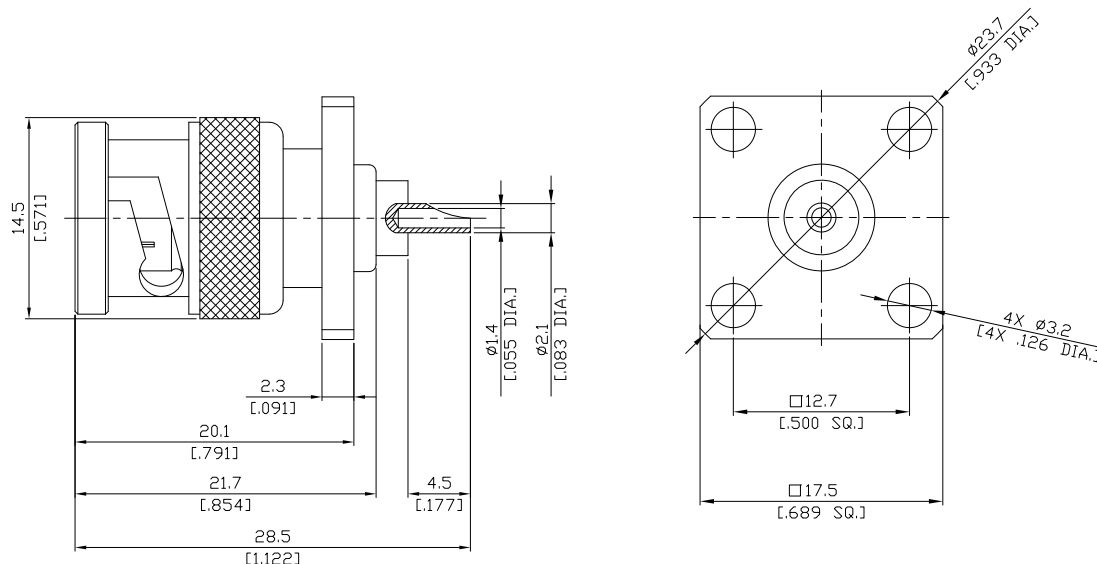


BNC Plug (male) Connector Solder Attachment 4 Hole Flange Mount
Solder Cup Terminal, 12.7mm (.500 inch) Hole Spacing DC-4GHz VSWR1.22

BNC1GFB50-2850A / 144



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

$\leq 0.05 \times \sqrt{F}$ (GHz) dB

DC to 4 GHz

Insulation Resistance

≥ 5 G Ω

Center Contact Resistance

≤ 1.5 m Ω

Outer Contact Resistance

≤ 1 m Ω

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 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy

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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