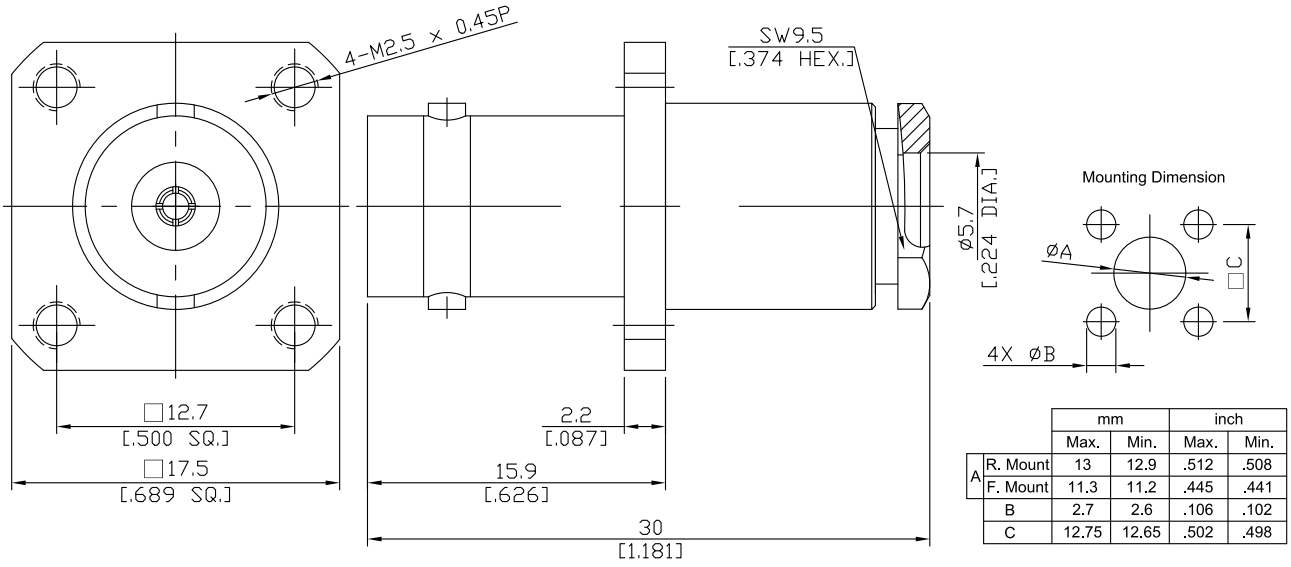
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

BNC Jack (Female) Connector Clamp/Solder Attachment 4 Hole Flange Mount for RG58 Cable, .500 inch Threaded Hole Spacing DC-4GHz VSWR1.2

BNC2DBF50-G058A-M2.5 / 93



		mm		inch	
		Max.	Min.	Max.	Min.
A	R. Mount	13	12.9	.512	.508
	F. Mount	11.3	11.2	.445	.441
	B	2.7	2.6	.106	.102
	C	12.75	12.65	.502	.498

All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to	IEC 61169-8; CECC 22120; MIL-PRF-39012; MIL-STD-348B/301; BS 9210 N 004

Electrical Data

Impedance	50 Ω
Frequency	DC to 4 GHz
VSWR (Return Loss)	≤ 1.2 (≥ 20.83 dB)
Insertion Loss	≤ 0.06 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 1.5 mΩ
Outer Contact Resistance	≤ 1 mΩ
Test Voltage	1500 V rms
Working Voltage	400 V rms
Power handling (at 20 °C, sea level)	≤ 80 W @ 2 GHz

-VSWR in application depends decisive on cable assembly process-

Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	

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Mechanical Data

Coupling Mechanisms	Bayonet Lock
Mating Cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Centre Contact	Soldered
Cable Entry	Clamped

Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Suitable Cables

RG-58, RG-55, RG-141, RG-142, RG-223, RG-400, RG-303, LMR-195

Packing

Single or 100

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