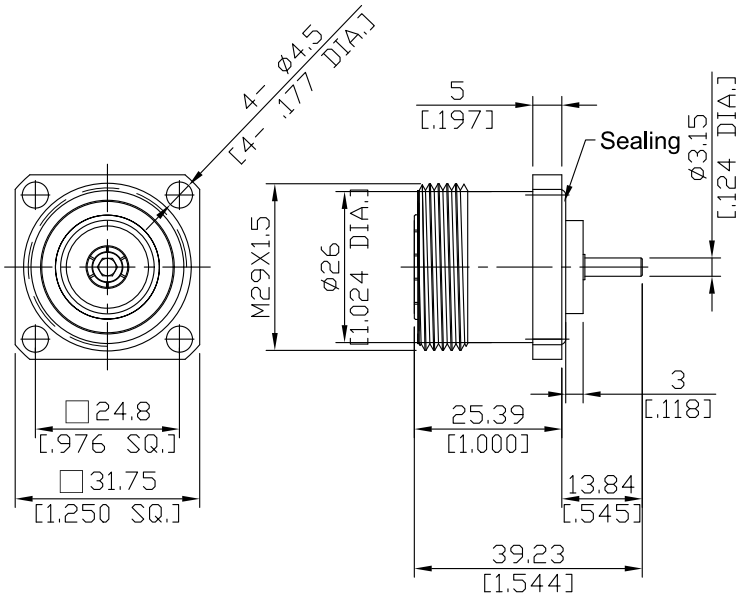
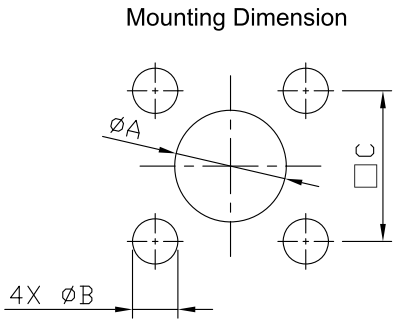
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

7/16 DIN Jack (Female) Connector Solder Attachment 4 Hole Flange Mount Stub Terminal, 24.8 (.976 inch) Hole Spacing DC-7.5 GHz VSWR1.2

716-2GFA50-3923B_MCV / G4





	mm		inch	
	Max.	Min.	Max.	Min.
A	16.2	16	.638	.630
B	4.7	4.6	.185	.181
C	24.85	24.75	.978	.974

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

Interface

According to	IEC 61169-4; CECC 22190; DIN 47223; EN 122190

Electrical Data

Impedance	50 Ω	
Frequency	DC to 7.5 GHz	
VSWR (Return Loss)	≤ 1.15(≥ 23.13 dB) @DC~3GHz	≤ 1.2(≥ 20.83 dB) @3~7.5GHz
Insertion Loss	≤ 0.03 x √F (GHz) dB	
Insulation Resistance	≥ 10 GΩ	
Center Contact Resistance	≤ 0.4 mΩ	
Outer Contact Resistance	≤ 1.5 mΩ	
Working Voltage (at sea level)	500 V rms	
Power handling (at 20 °C, sea level, VSWR 1.0)	1800 W @ 1 GHz	800 W @ 4 GHz

-VSWR in application depends decisive on PCB layout or cavity design-

Material And Plating

Piece Parts	Material	Plating
Centre contact	Phosphor Bronze	Silver
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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Mechanical Data

Coupling mechanisms	Screw-lock
Durabiltiy	500 cycles min.
Centre Contact	Soldered
Terminal Type	Stub
Captivated Type	Mechanical
Coupling nut retention	≥ 1000 N
Center contact captivation: axial	≥ 200 N
radial	≥ 2 Ncm
Coupling torque(recommended)	25 to 30 Nm
Coupling test torque	≤ 35 Nm

Environmental Data

Temperature Range	-65°C to + 165°C
Rapid change of temperature	DIN EN 122190, Sub-clause 4.6.7
Corrosion resistance	DIN EN 122190, Sub-clause 4.6.10
Vibration	DIN EN 122190, Sub-clause 4.6.3
Climatic category	DIN EN 122190, Sub-clause 4.6.5 (45/85/21)
Damp heat	DIN EN 122190 , Sub-clause 4.6.6
RoHS	compliant

Packing

Single or 100

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