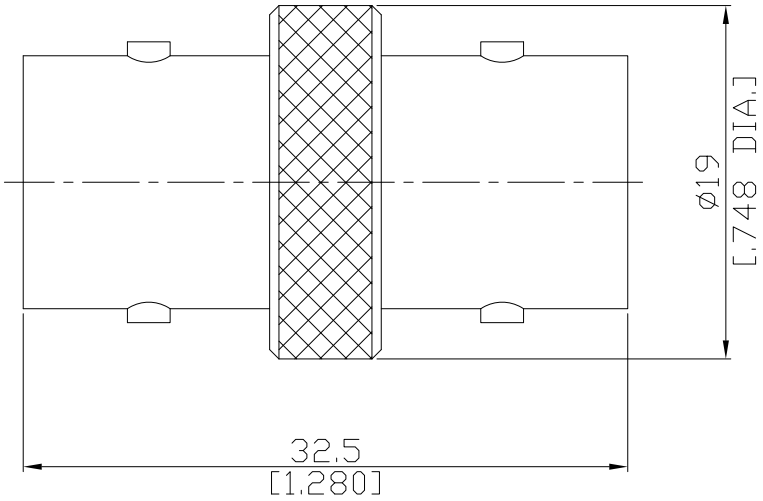
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

C jack (female) / C jack (female) Adaptors Straight DC-4GHz VSWR1.25

AD-C2C25A / H4-H4



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

Interface

According to	IEC 60169-7; MIL-STD-348B/302

Electrical Data

Impedance	50 Ω
Frequency	DC to 4 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19 dB)
Insertion Loss	≤ 0.01 x √F (GHz) dB
Insulation resistance	≥ 1 GΩ
Center contact resistance	≥ 1 mΩ
Outer contact resistance	≥ 0.25 mΩ
Test voltage	3000 V rms
Working voltage	1000 V rms
Power handling	400 W @ 1 GHz

Material And Plating

Piece Parts (C)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data	
Coupling Mechanisms	Bayonet-lock
Mating Cycles	min. 500
Center Contact Captivation	≥ 20 N
Environmental Data	
Temperature Range	-65°C to +125°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Moisture resistance	MIL-STD-202, Method 106
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
RoHS	compliant
Packing	
	Single or 100

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