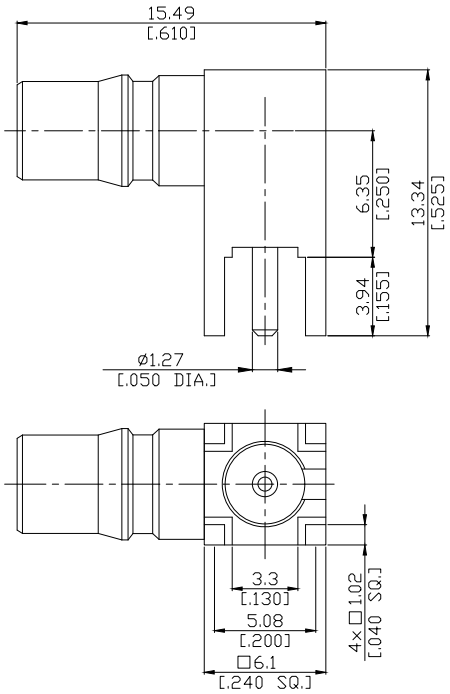
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

QMA Jack (female) Connector Solder Attachment
PCB Through Holes Right Angle, DC- 12.4 GHz

QMA2I59-1549A / 91



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

Interface

According to	IEC 61169-50

Electrical Data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 3.0 mΩ, QMA Side
Outer Contact Resistance	≤ 2.5 mΩ, QMA Side
Test Voltage (at sea level)	1000 V rms
Working Voltage (at sea level)	335 V rms at sea level
Dielectric Withstanding Voltage	1000 V rms min at sea level

Material And Plating

Piece Parts (QMA)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	

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Mechanical Data

Coupling mechanisms	Quick-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 25 N
Engagement Force	25 N
Disengagement Force	20 N
Weight	N/A

Environmental Data

Temperature Range	-40°C to +85°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 D
Shock	MIL-STD-202, Method 213, Condition I
RoHS	compliant

Packing

Single or 100

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