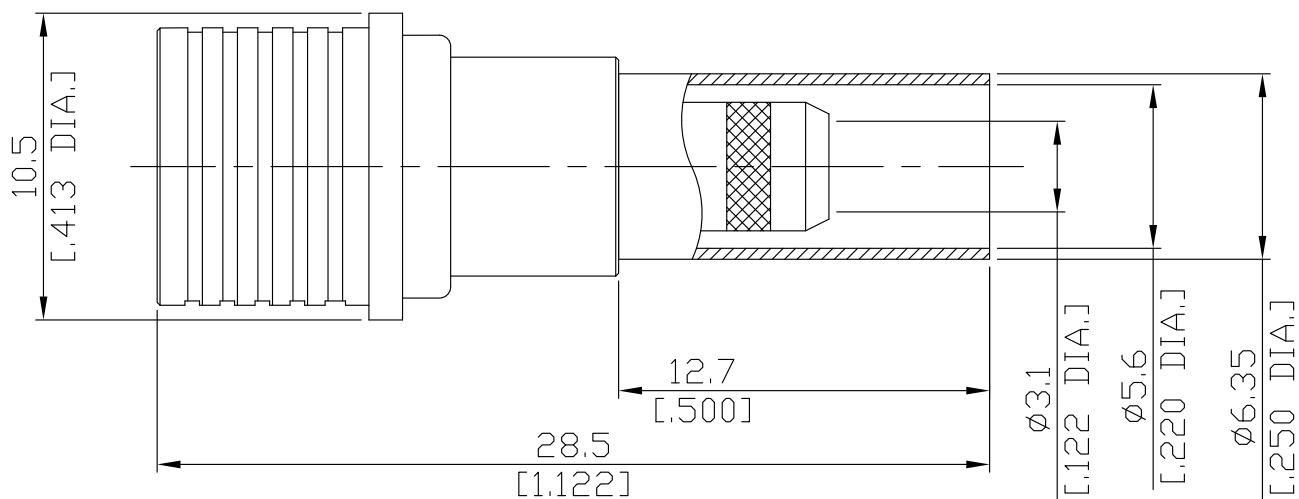


QMA Plug (Male) Straight Connector,
Center Pin: Solder, Cable Entry: Crimp, DC-6GHz, VSWR-1.3

QMA1C50-G142A / 144



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 6 GHz

VSWR (Return Loss)

≤ 1.30 (≥ 17.69 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Test Voltage (at sea level)

1000 V rms

Working Voltage (at sea level)

335 V rms

RF Leakage

≥ 80 dB

- limitations are possible due to the used cable type -

Material And Plating

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

QMA Plug (Male) Straight Connector,
Center Pin: Solder, Cable Entry: Crimp, DC-6GHz, VSWR-1.3

QMA1C50-G142A / 144

Mechanical Data

Coupling Mechanisms	Quick Lock
Mating Cycles	≥ 100
Engagement Force	25 N typ.
Disengagement Force	20 N typ.
Retention Force for Interface	≥ 60 N

Environmental Data

Temperature Range	-40°C to +85°C
Thermal Shock	IEC 60169-1 16.4 (-40 / +85°C)
Corrosion	IEC 60169-1 16.7 (48 hrs)
Vibration	IEC 60068-2-64 random
Shock	IEC 60169-1 16.3 (96 hrs)
RoHS	compliant

Suitable Cables

RG-55, RG-142, RG-223, RG-400

Packing

Single or 100