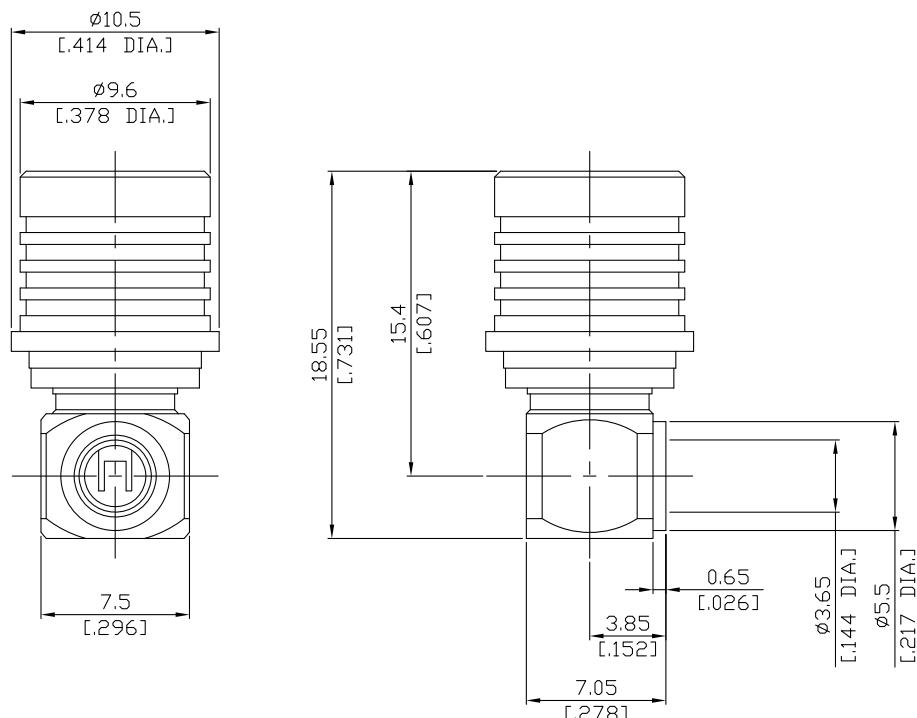


QMA Plug (Male) Right Angle Connector, Center Pin: Solder, Cable Entry: Solder Attachment  
for .141, RG402 Cable DC-18GHz VSWR1.3

## QMA1E59-0141A / 100



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 18 GHz

VSWR (Return Loss)

≤ 1.30 (≥ 17.69 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3.0 mΩ

Outer Contact Resistance

≤ 2.5 mΩ

Test Voltage (at sea level)

1000 V rms

Working Voltage (at sea level)

335 V rms

RF Leakage

≥ 95 dB up to 2 GHz

≥ 80 dB up to 4 GHz

≥ 70 dB up to 6 GHz

70 W @ 2.2 GHz (recommended)

Power handling

-VSWR in application depends decisive on cable assembly process-

### Material And Plating

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

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.

Rev.:-

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N-CAGE Code: SFKK0 / ISO9001 Certified

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QMA Plug (Male) Right Angle Connector, Center Pin: Solder, Cable Entry: Solder Attachment  
for .141, RG402 Cable DC-18GHz VSWR1.3

## QMA1E59-0141A / 100

### 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

.141, RG402; Rosnol RSR-141, RSF-141, EF402

### Packing

Single or 100