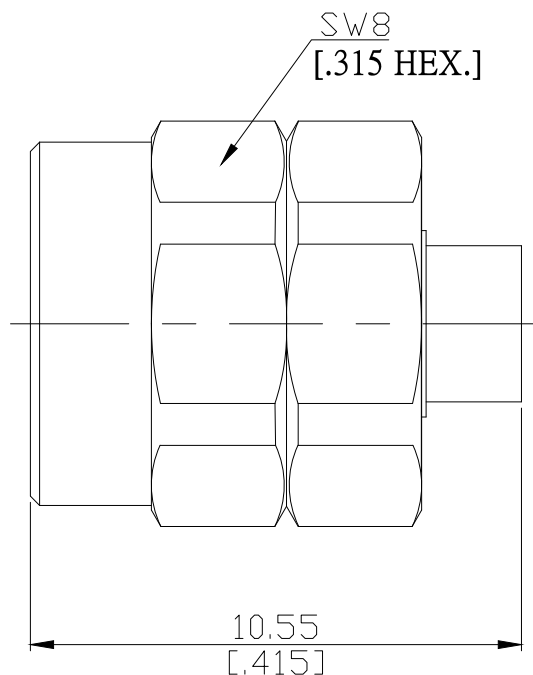


2.4mm Plug (Male) Connector Solder/Solderless Contact Attachment  
for .085, .086 Cable, RG405; Rosnol RSR-085, RSF-085, EF405 Cable  
DC-40GHz VSWR1.2

## Q1E50-EZ085A / 9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 61169-40, IEEE Std 287-2007

Mechanically Compatible with

3.5mm and SMA

### Electrical Data

Impedance

50  $\Omega$

Frequency

DC to 40 GHz

VSWR (Return Loss)

$\leq 1.20$  ( $\geq 20.83$  dB)

Insertion Loss

$\leq 0.04 \times \sqrt{F}$  (GHz) dB

Insulation Resistance

$\geq 5$  G $\Omega$

Center Contact Resistance

$\leq 3.0$  m $\Omega$

Outer Contact Resistance

$\leq 2.0$  m $\Omega$

Test Voltage (at sea level)

750 V rms

Working Voltage (at sea level)

250 V rms

RF Leakage

$\geq 100$  dB up to 1 GHz

- Limitations are possible due to the used cable type -

### Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Body	Stainless Steel	Passivated
Insulator	PEI	
Barrel	Brass	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)

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.:  
Date:  
12/7/2020

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2.4mm Plug (Male) Connector Solder/Solderless Contact Attachment  
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DC-40GHz VSWR1.2

## Q1E50-EZ085A / 9XX

### Mechanical Data

Coupling mechanisms	Screw Lock
Mating Cycles	≥ 500
Coupling Test Torque	1.7 Nm
Recommended Torque	0.9 Nm
Centre conduct	Soldered
Cable entry	Soldered

### Environmental Data

Temperature Range	-55°C to +165°C
Thermal Shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

### Suitable Cables

.085, .086, RG405; Rosnol RSR-085, RSF-085, EF405

### Packing

Single or 100