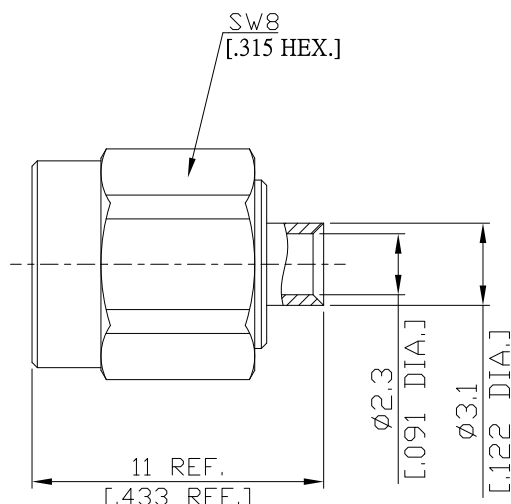


2.92mm Plug (Male) Connector Solder/Solderless Contact Attachment  
for .085, .086 Cable, RG405; Rosnol RSR-085, RSF-085, EF405 Cable  
DC-40GHz VSWR1.2

## K1E50-EZ0085A / 91X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 61169-35; IEEE Std 287

Mechanically Compatible with

3.5mm and SMA

### Electrical Data

Impedance

50 Ω

Frequency

DC to 40 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.83 dB)

Insertion Loss

≤ 0.04 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3.0 mΩ

Outer Contact Resistance

≤ 2.0 mΩ

Test Voltage (at sea level)

750 V rms

Working Voltage (at sea level)

250 V rms

RF Leakage

≥ 100 dB up to 1 GHz

-VSWR in application depends decisive on cable assembly process-

### Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Insulator	PEI	
Barrel	Stainless Steel	Passivated

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:  
APR/2/2025

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## K1E50-EZ0085A / 91X

### Mechanical Data

Coupling mechanisms	Screw Lock
Mating Cycles	≥ 500
Coupling Test Torque	1.7 Nm
Recommended Torque	0.80 Nm to 1.10 Nm
Center contact captivation	≥ 20 N
Centre contact	Plug-in
Cable entry	Soldered

### Environmental Data

Temperature Range	-40°C to +85°C
Thermal Shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. 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