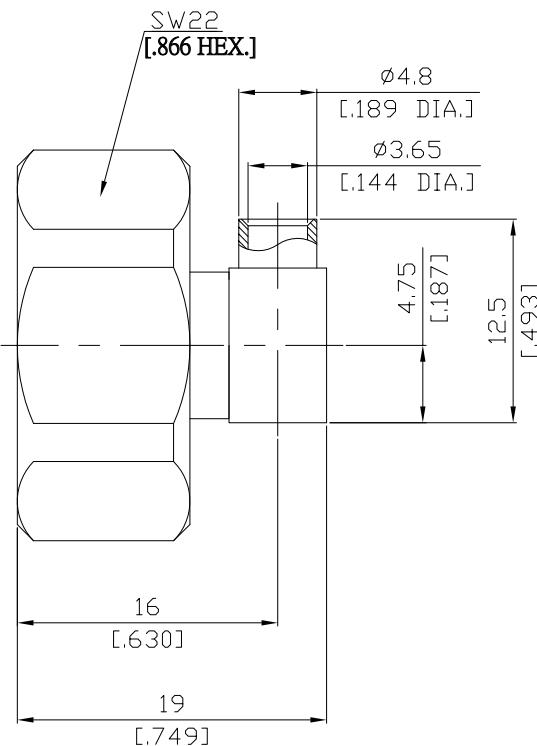
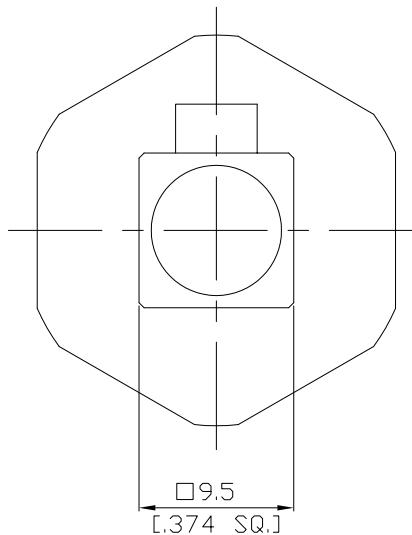


## 4.1-9.5 Plug (Male) Right Angle Connector Solder Attachment for .141, RG402, SS402, Rosnol RSR-141, RSF-141, EF402 Cable, DC-6GHz VSWR 1.20

**MD1E59-0141A / 144**


All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

IEC 60169-11

**Electrical Data**

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.20 (≥ 20.83 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 1.5 mΩ
Outer Contact Resistance	≤ 1 mΩ
Test Voltage (at sea level)	2500 V rms
Working Voltage (at sea level)	500 V rms
Power Handling (at 20 °C, sea level, VSWR 1.0)	≤ 500 W @ 2 GHz
Intermodulation (3 <sup>rd</sup> order)	≥ 160 dBc (2 x 43 dBm)

- Limitations are possible due to the used cable type -

**Material And Plating**

Piece Parts	Material	Plating
Centre Contact	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling Nut	Brass	Copper-Tin-Zinc Alloy

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## Mechanical Data

## Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	ISO 21207 method B
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Degree of protection (mated pair)	IEC 60529, IP68 1h / 25m
RoHS	compliant

## Suitable Cables

.141, RG405, SS405  
Rosnol: RSR-141, RSF-141, EF402, RFX-141

## Packing

Single or 100