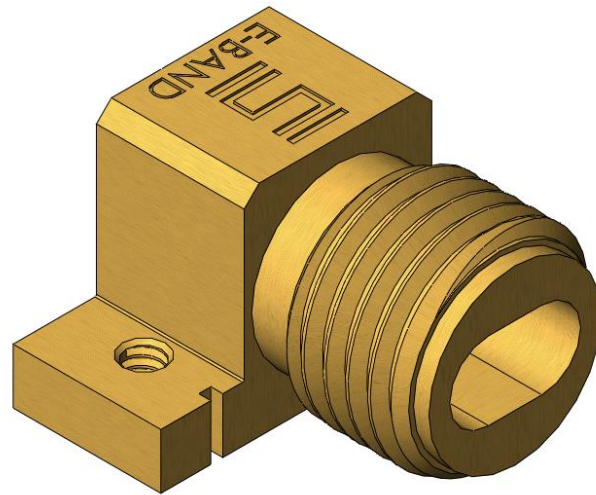
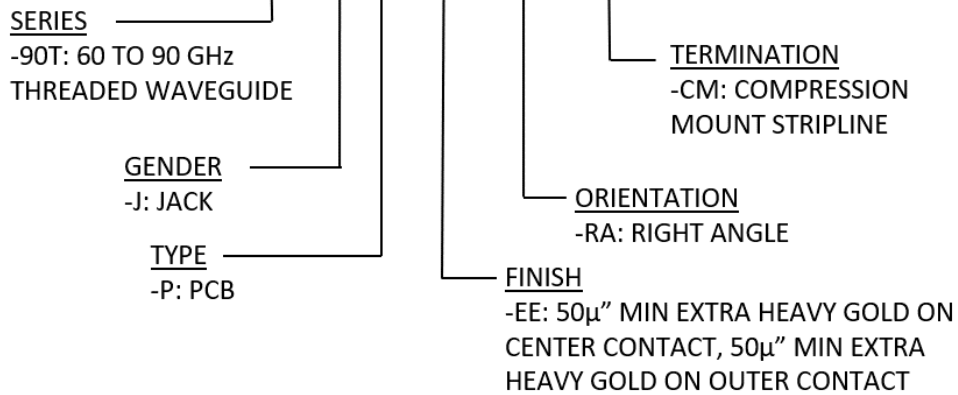


Series: E-Band (60GHz to 90GHz) PCB RA Waveguide Compression Mount, 50 Ω



### 90T-J-P-XX-RA-CM



### MATERIAL AND FINISHES

Connector part	Material	Finish
Body	Brass	1.27 μm (50μ") Min. Gold Over 1.27μm (50 μ") Min. Nickel
Bushing	Brass	1.27 μm (50μ") Min. Gold Over 1.27μm (50 μ") Min. Nickel
Bead	PEEK	N/A
Center Contact	Beryllium Copper	1.27 μm (50μ") Min. Gold Over 1.27μm (50 μ") Min. Nickel

**Series:** E-Band (60GHz to 90GHz) PCB RA Waveguide Compression Mount, 50 Ω

### ELECTRICAL DATA

Impedance	50 Ohm
Frequency Range	60 to 90 GHz (E-BAND)
VSWR <sup>1</sup>	1.4:1 VSWR TYPICAL (RL -15dB)
Insertion Loss <sup>2</sup>	$0.03\sqrt{F(GHz)}$ dB Max.
Insulation Resistance	5000 MΩ Min.
Outer Contact Resistance	2.0 mΩ Max.

<sup>1</sup>VSWR per connector when tested on Samtec multi-layer test PCB.

<sup>2</sup>Single connector insertion loss only.

### MECHANICAL DATA

Interface	Custom to Samtec
Recommended Mating Coupler Torque	8 in-lb. [0.90 N-m]
Durability	500 Cycles minimum
Mass	3.23g (0.0071 pounds)

### ENVIRONMENTAL DATA

Temperature Range	-40 to +125°C
Thermal Shock	10 Cycles, -40°C to +125°C

### REFERENCED DOCUMENTS

<b>Configuration and Features</b>	<b>Drawing &amp; Footprint</b>
Compression Mount, Stripline	<a href="#"><u>90T-J-P-EE-RA-CM</u></a>

**Series:** E-Band (60GHz to 90GHz) PCB RA Waveguide Compression Mount, 50  $\Omega$

**USE OF PRODUCT SPECIFICATION SHEET**

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