Amphenol[®] RF High Frequency SMA End Launch Connectors

26.5 GHz with 0.010" and 0.015" diameter edge mount contacts

Overview

Amphenol RF high frequency SMA end launch connectors offer excellent VSWR performance up to 26.5 GHz. These connectors feature an optimized end launch design with either through-hole legs or traditional slide-on mounting legs that make them an ideal PCB connector solution for high frequency applications.

Features and Benefits

- Through hole and traditional edge launch options available
- Available for multiple different PCB thicknesses
- Custom solutions available for optimization to customer-specific PCB launches

Applications

- Cellular/Broadband Amplifiers
- Microwave Filters
- Wireless Infrastructure
- Remote Sensing and Metering
- GPS Antennas
- Radar Systems
- High Speed Routers and Switches
- Automated Test Equipment
- RFID
- Remote Sensing/Metering

Ordering Information



P/N 901-10510-1

Through Hole

Part Number	Pin Diameter	Flange	Leg Length	Leg Type
901-10510-1	0.010"	Square	0.118"	Standard
901-10510-2	0.010"	Round w/ Flats	0.093"	Standard
901-10510-3	0.010"	Round w/ Flats	0.093"	Beveled
901-10512-1	0.015"	Square	0.118"	Standard
901-10512-2	0.015"	Round w/ Flats	0.093"	Standard
901-10512-3	0.015"	Round w/ Flats	0.093"	Beveled



P/N 901-10511-3

Traditional (Slide-On)

Part Number	Pin Diameter	Flange	PCB Thickness	Leg Type
901-10511-1	0.010"	Square	0.062"	Standard
901-10511-2	0.010"	Round w/ Flats	0.062"	Standard
901-10511-3	0.010"	Round w/ Flats	0.062"	Beveled
901-10513-1	0.015"	Square	0.062"	Standard
901-10513-2	0.015"	Round w/ Flats	0.062"	Standard
901-10513-3	0.015"	Round w/ Flats	0.062"	Beveled

Amphenol RF Four Old Newtown Road

Danbury, CT 06810

For more information visit www.amphenolrf.com or call 800.627.7100

Amphenol® RF

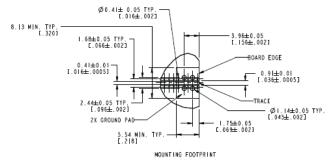
Technical Specifications

Electrical		
Impedance	50 Ω	
Frequency range	0-26.5 GHz	
Contact Resistance	Center Contact ≤3 mΩ	
	Outer Contact ≤2 mΩ	
Voltage Rating (Sea Level)	170 VRMS	
Insulation Resistance	1000 MΩ min	

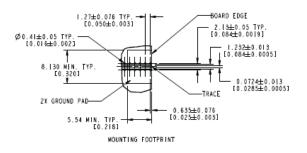
Environmental	
Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Mechanical Shock	MIL-STD-202, Method 213, Condition I
Humidity	MIL-STD-202, Method 106

Mechanical	
Mating Torque	7 to 10 inch-pounds
Engagement force	2 inch-pounds maximum
Disengagement force	2 inch-pounds maximum
Durability	500 cycles min

Typical PCB Layouts



Through-Hole Style Connectors



Traditional Edge Mount Style Connectors

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