



HIGH PERFORMANCE

1.85mm Field Replaceable RF Connectors

San-tron’s high performance, 1.85mm field replaceable connectors are made free and deliver low VSWR performance through 65 GHz. Like all San-tron connectors, they are designed and built to the highest standards, delivering rugged dependability and exceptional repeatability.

The new 1.85mm field replaceable connectors are available in 3/8 and 1/2-inch square, 2-hole .550” flange and 2 hole .625” flange configurations for 0.009” launch pin diameter. Other mounting options or launch pin diameters may be made available upon request. They feature high-performance gold-plated beryllium copper contacts, polyetherimide (PEI) capture bead, and rugged 303 stainless steel bodies. The 1.85mm field replaceable connectors may be intermated with 2.4mm cable connectors.



SPECIFICATIONS

Electrical

Frequency Range - DC to 65 GHz
 Nominal Impedance - 50 Ohms
 VSWR (TYP) - DC to 50.0 GHz <1.15:1
 50.0 to 65.0 GHz <1.25:1
 DWV (sea level) - 500 VRMS @60Hz

Environmental

Temperature: -65° to +165°C

Materials

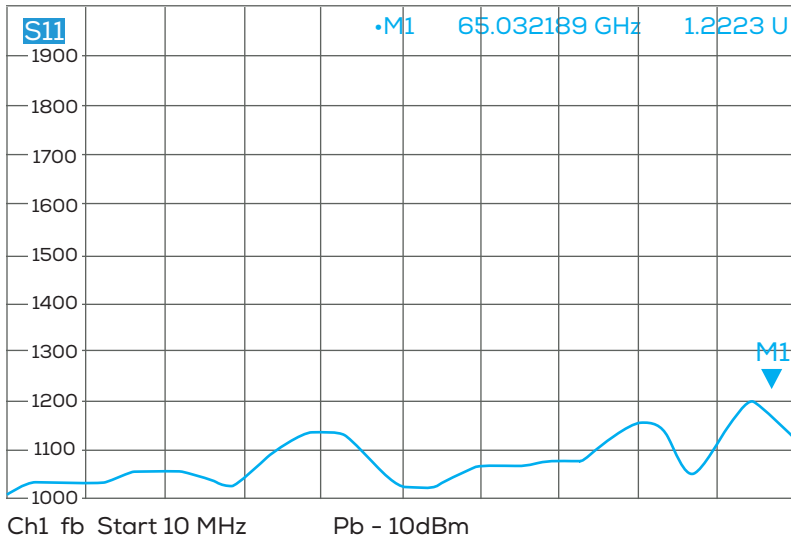
Housing - 303 SS
 Contact - BeCu, Gold Plated
 Capture Bead - Polyetherimide (PEI)

ORDERING INFORMATION

Launch Pin Diameter	Flange Configuration			
	.500” Square	.375” Square	.625” 2 Hole	.550” 2 Hole
.009”	5306-01-M9-PJ	5306-02-M9-PJ	5306-03-M9-PJ	5306-04-M9-PJ

VSWR PERFORMANCE

Two San-tron 5306-01-M9-PJ tested back-to-back to 65 GHz



FEED THROUGH ACCESSORIES



San-tron offers a wide variety of glass to metal feedthroughs, launch pins and PTFE insulators for use with our Field Replaceable SMA connectors.

Unique Solutions for your demanding RF application



With over 65 years of RF – Microwave interconnect design, development, and manufacturing experience, San-tron has the know-how, resources and systems to configure the best interconnect for your demanding RF application. Whether it is a high reliability connector for harsh aerospace or military environments, a high performance flexible, conformable or semi-rigid cable assembly, or custom RF component, we can design and deliver quickly and at a competitive price.

San-tron is located in Ipswich, MA, USA.