



## HIGH PERFORMANCE

### 2.4mm Field Replaceable RF Connectors

San-tron’s high performance, 2.4mm field replaceable connectors are made free and deliver low VSWR performance through 50 GHz. Like all San-tron connectors, they are designed and built to the highest standards, delivering rugged dependability and exceptional repeatability.

The new 2.4mm 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” and 0.012” launch pin diameters. Other mounting options 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 2.4mm field replaceable connectors may be intermated with 1.85mm cable connectors.



#### SPECIFICATIONS

##### Electrical

Frequency Range - DC to 50 GHz  
Nominal Impedance - 50 Ohms  
VSWR (TYP) - DC to 18.0 GHz <1.10:1  
18.0 to 40.0 GHz <1.15:1  
40.0 to 50.0 GHz <1.20:1  
DWV (sea level) - 500 VRMS @60Hz

##### Environmental

Temperature: -65° to +165°C

##### Materials

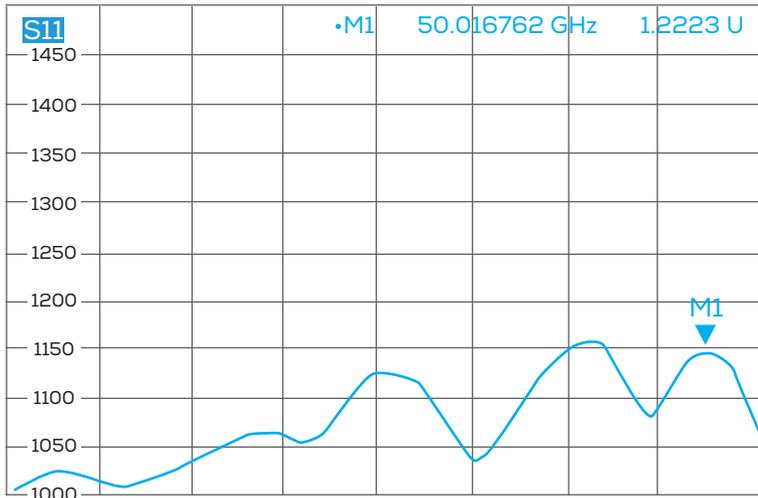
Housing - 303 SS  
Contact - BeCu, Gold Plated  
Capture Bead - Polyetherimide (PEI)

#### ORDERING INFORMATION

Launch Pin Diameter	Flange Configuration			
	.500” Square	.375” Square	.625” 2 Hole	.550” 2 Hole
.009”	4206-01-M9-PJ	4206-02-M9-PJ	4206-03-M9-PJ	4206-04-M9-PJ
.012”	4206-01-M12-PJ	4206-02-M12-PJ	4206-03-M12-PJ	4206-04-M12-PJ

## VSWR PERFORMANCE

Two San-tron 4206-01-M12-PJ tested back-to-back to 50 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.