



## HIGH PERFORMANCE

### 2.92mm Field Replaceable RF Connectors

San-tron’s high performance, 2.92mm field replaceable connectors are made free and deliver low VSWR performance through 40 GHz. The 2.92mm connectors are inter-mate able with SMA and 3.5mm connectors. The pin of the 2.92mm male connector is shorter than a SMA or 3.5mm male pin so that the bodies of the male and female connectors engage before the pin and socket contacts. This mitigates wear from mating misalignment found with SMA or 3.5mm connectors.

The new 2.92mm 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”, 0.012”, and 0.020” 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, Polychlorotrifluoroethylene (PCTFE) positioning bead and rugged stainless steel bodies. They fully comply with MIL-STD-348.



#### SPECIFICATIONS

##### Electrical

Frequency Range - DC to 40 GHz  
 Nominal Impedance - 50 Ohms  
 VSWR - DC to 18.0 GHz <1.15:1  
 18.0 to 40.0 GHz <1.20:1

Voltage Rating (sea level) - 335 VRMS  
 DWV (sea level) - 1000 VRMS @60Hz

##### Environmental

Temperature: -65° to +165°C

##### Materials

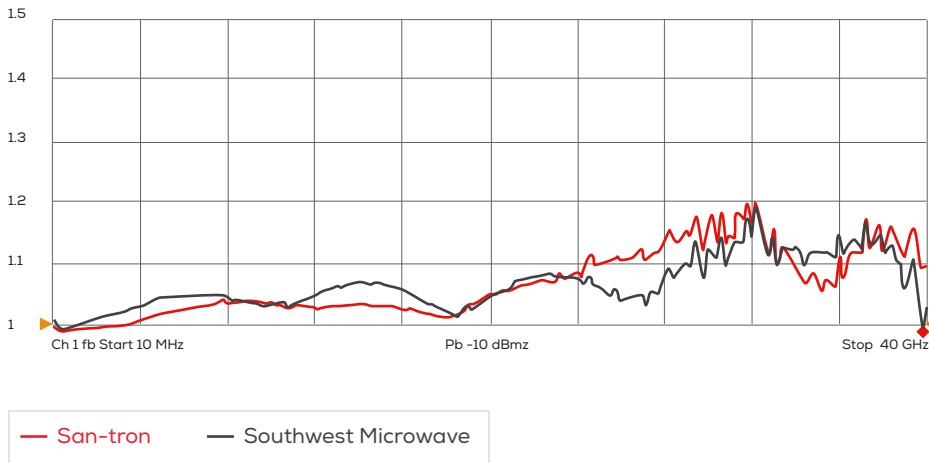
Housing - 303 SS  
 Contact - BeCu, Gold Plated  
 Capture Bead - PEI  
 Positioning Bead - PCTFE

#### ORDERING INFORMATION

Launch Pin Diameter	Flange Configuration			
	.375” Square	.500” Square	.550” 2 Hole	.625” 2 Hole
.009”	2906-205-M9-PJ	2906-206-M9-PJ	2906-209-M9-PJ	2906-208-M9-PJ
.012”	2906-205-M12-PJ	2906-206-M12-PJ	2906-209-M12-PJ	2906-208-M12-PJ
.020”	2906-205-M20-PJ	2906-206-M20-PJ	2906-209-M20-PJ	2906-208-M20-PJ

## VSWR PERFORMANCE

VSWR performance for Santron PN 2906-206-M20-PJ in back to back configuration versus Southwest Microwave PN 1012-05SF. (5% smoothing)



## 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.