



## HIGH PERFORMANCE

### 2.92mm Cable Connectors

San-tron's new S2.92 series cable connectors are designed for maximum K band performance. They have VSWR of <1.20 from DC to 40 GHz.

The connectors are available for HP160 (.160" OD) and HP 190 (.190" OD) flexible coaxial cables as well as .047", .086" and .141" flexible, conformable or semi-rigid coaxial cables. Configurations for other cable types can be made available upon request.

The new S2.92 series connectors feature high performance gold plated, beryllium copper contacts, polyphenylene oxide (PPO) or polyetheretherketone (PEEK) support bead and rugged stainless steel bodies. They fully comply with MIL-STD-348 and IEC 61169-35.



#### SPECIFICATIONS

##### Electrical

Frequency Range - DC to 40 GHz  
Nominal Impedance - 50 ohms  
VSWR<sup>(1)</sup> - DC to 40.0 GHz <1.20:1  
Voltage Rating (sea level) - 100 VRMS  
DWV (sea level) - 300 VRMS @60Hz

##### Environmental

Temperature: -65° to 165°C (PEEK)  
-65 to 100 (PPO)

##### Materials

Housing - 303 SS  
Contact - BeCu, Gold Plated  
Capture Bead - PPO or PEEK

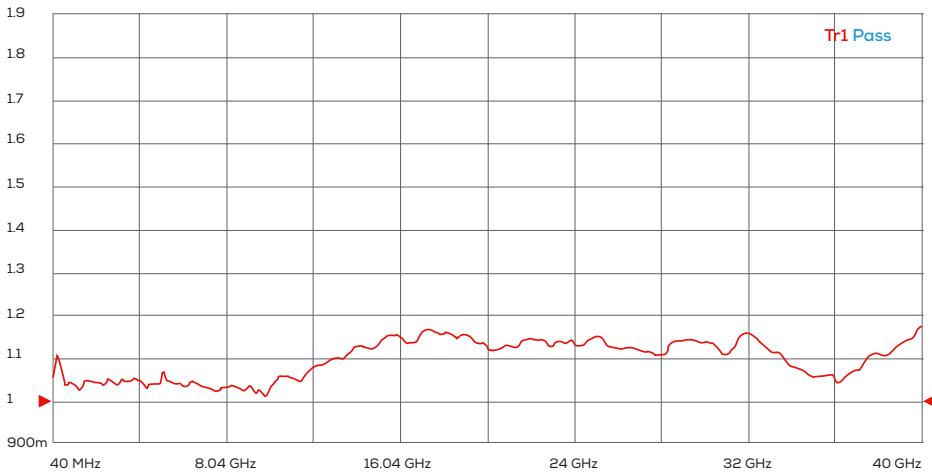
(1) Tested with 1 foot, straight, flexible .086" IW 1156 series cable. VSWR results may be limited by cable performance or workmanship

#### ORDERING INFORMATION

Part Number	Description
2901-113-PJ	S292 Plug solder for HP-190 cable
2901-139-PJ	S292 Plug solder HP-160, solid conductor cable
2901-141-DJP	S292 Plug solder for .141" cable
2901-61-DJP	S292 Plug solder for .047" cable
2901-86-DJP	S292 Plug solder for .086" cable

## VSWR PERFORMANCE

▶ Tr1 S11 Refl SWR RefLvl: 1 U Res: 100mU/Div



## LOW LOSS / TEST CABLES TO 40 GHz



For maximum K band performance, San-tron also offers low loss / test cables featuring our new S2.92 connectors in armored or unarmored cable configurations. They are the ideal solution for high performance commercial, military, aerospace and testing applications.

## 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.

To request a quote or learn more about San-tron's High Performance, 2.92mm Cable Connectors contact:

[info@santron.com](mailto:info@santron.com) | 978-356-1585