



HIGH PERFORMANCE

Precision 2.92 Adapters

San-tron’s high performance, 2.92mm Precision Adapters are mode free and deliver low VSWR performance through 40 GHz. Adapters provide for gender conversion and inter-mating between different RF connector series. All San-tron Precision 2.92mm Adapters are phase matched making them ideal for VNA and other test applications.

The Precision 2.92mm Adapters are available in 2.92mm to 2.92mm, 2.92mm to 2.4mm, 2.92 to 1.85mm and 2.92 to SMP configurations with male to male, female to male, male to female or female to female gender. They also directly inter-mate with SMA and 3.5mm RF connectors. Special mounting options may be made available upon request.

The Precision 2.92mm Adapters are made from the finest materials: gold plated beryllium copper contacts, cross linked polystyrene (Rexolite®) capture bead and rugged stainless steel bodies.



SPECIFICATIONS

Electrical

Frequency Range - DC to 40 GHz
Nominal Impedance - 50 ohms
VSWR - DC to 30.0 GHz <1.15:1
 - 30.0 to 40.0 GHz <1.20:1
Voltage Rating (sea level) - 335 VRMS
DWV (sea level) - 1000 VRMS @60Hz

Environmental

Temperature: -65° to +100°C

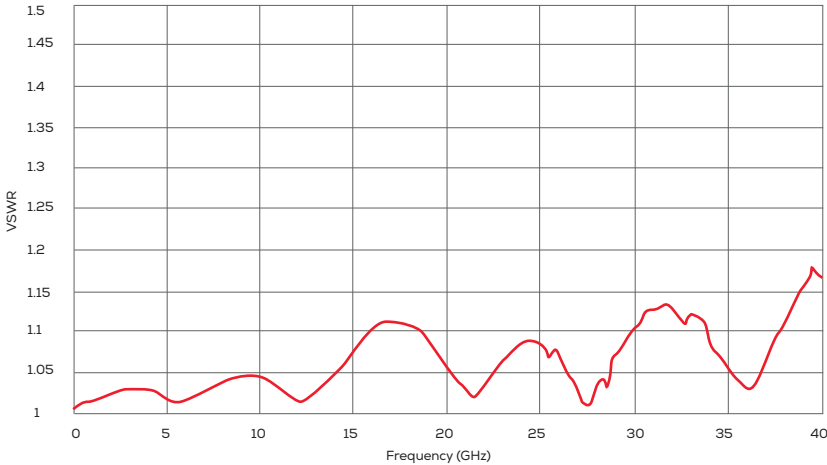
Materials

Housing - 303 SS
Female Contact - BeCu, Gold Plated
Male Contact - Brass, Gold Plated
Capture Bead - PEI
Insulator - PCTFE

ORDERING INFORMATION

Configuration	Gender			
	Male to Male	Male to Female	Female to Male	Female to Female
2.92mm to 2.92mm	2910-06-PJ		2910-07-PJ	2910-05-PJ
2.92mm to 2.4mm	0910-207-PJ	0910-206-PJ	0910-201-PJ	0910-200-PJ
2.92mm to 1.85mm	0910-209-PJ	0910-208-PJ	0910-202-PJ	0910-203-PJ
2.92mm to SMP	0910-211-PJ	0910-210-PJ	0910-205-PJ	0910-204-PJ

PERFORMANCE



2910-05-PJ Typical Data

— San-tron

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 Precision 2.92 Adapters

contact: info@santron.com | 978-356-1585