

# Mini-D RF Connection System

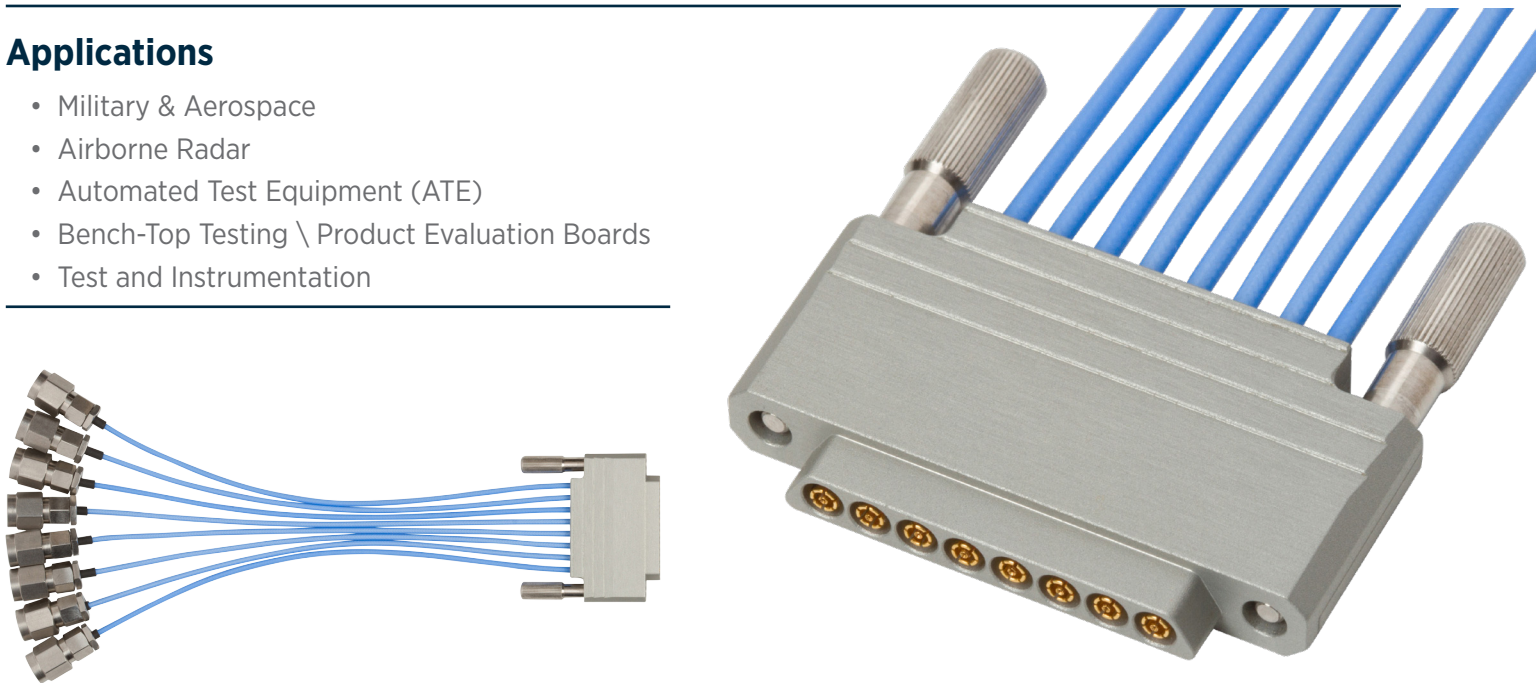
A Better **RF** Connection

## Features & Benefits

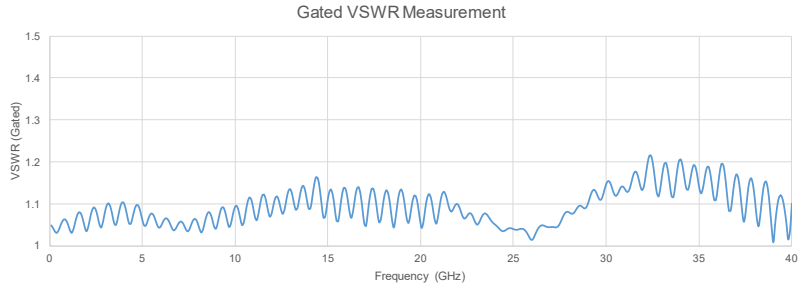
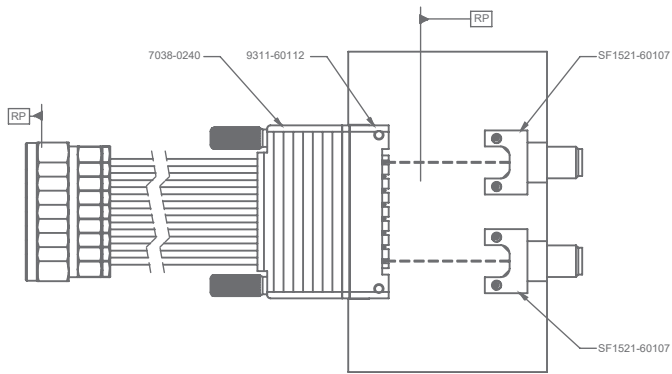
- High Frequency RF performance to 67 GHz
- High density design (.110" port-to-port spacing)
- Proven SMPS interface
- SMPS interface recessed from D-Sub housing to protect from damage
- Rugged lightweight aluminum housing
- PCB Edge Mount and Surface Mount connector options available
- D-shaped design to avoid mis-mating
- Easy mating/de-mating with thumbscrews

## Applications

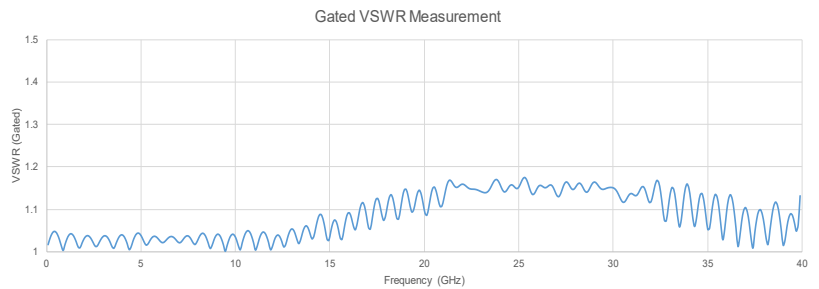
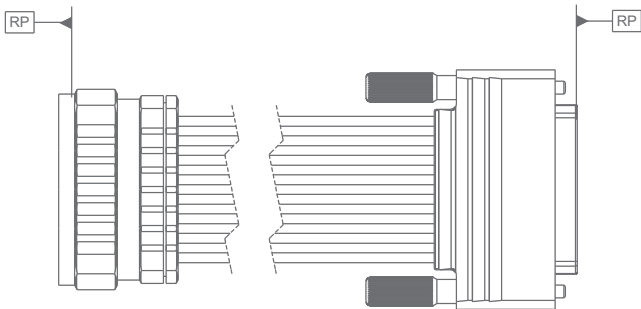
- Military & Aerospace
- Airborne Radar
- Automated Test Equipment (ATE)
- Bench-Top Testing \ Product Evaluation Boards
- Test and Instrumentation



Specifications	Mini-D RF Terminated to:			
Electrical	SMA	2.92mm	2.4mm	1.85mm
Impedance	50Ω	50Ω	50Ω	50Ω
Max Frequency	26.5 GHz	40 GHz	50 GHz	65 GHz
VSWR (Max)	1.2 : 1 @ 26.5 GHz	1.3 : 1 @ 40 GHz	1.35 : 1 @ 50 GHz	1.4 : 1 @ 65 GHz
Mechanical				
Insertion Force	9 lbs (nominal) to mate 8 position cable connector to PCB mount			
Withdrawal Force	7 lbs (nominal) to de-mate 8 position cable connector to PCB mount			
Recommended Mating Torque	12 in - oz			
Recommended Board Mount Torque	12 in - oz			



Gated VSWR measurement in above image consists of Mini-D RF cable assembly (7038-0240) and mating connector (9311-60112) plus ~.25" PCB after launch transition.



Gated VSWR measurement in above image consists of discrete 6" Mini-D RF cable.

### Mini-D RF Standard Part Numbers

Mini-D RF Female to (8) 2.92mm Male Cable Assemblies for .047 Cable (OAL 6")

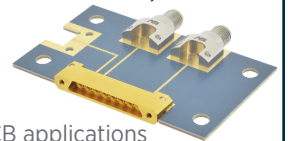
P/N: 7038-0240



Mini-D RF Male PCB Edge Launch Connector, 8 Port

P/N: 9311-60112

Edge launch for CPW and microstrip PCB applications



Mini-D RF Male PCB Surface Mount Connector, 8 Port

P/N: 9311-60128

Vertical launch with machined channels for use in CPW, microstrip or stripline PCB applications

