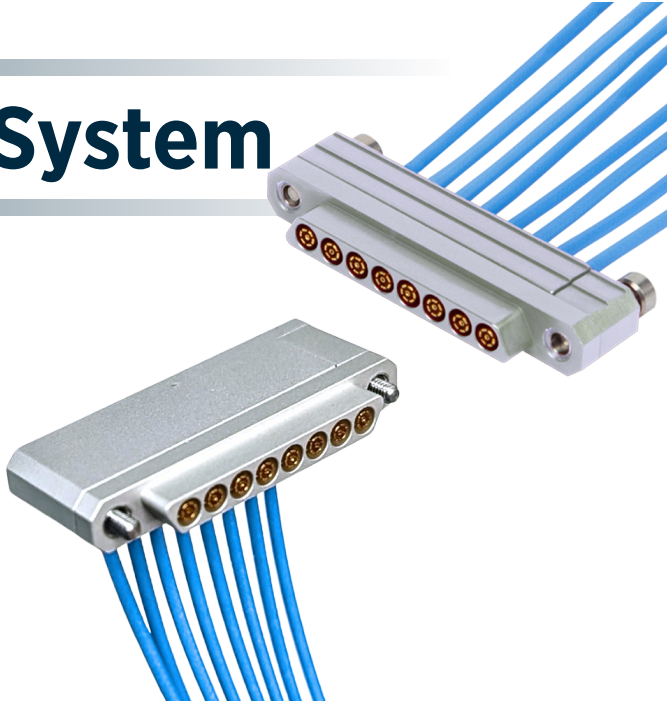
Mini-D RF Connection System



Features & Benefits

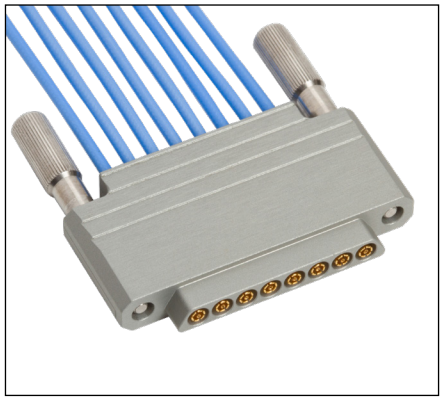
- High density design (.110” port-to-port spacing)
- SMPS interface
- Recessed from D-Sub housing to protect from damage
- Rugged lightweight aluminum housing
- D-shaped design to avoid mis-mating
- DC - 67 GHz

Applications

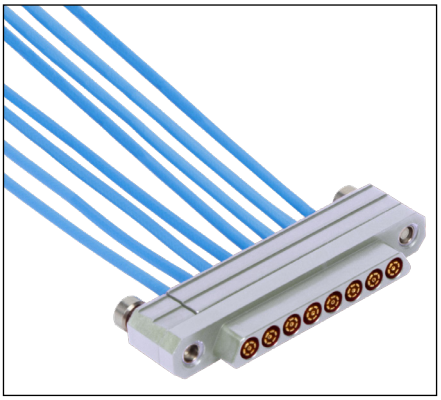
- Military & Aerospace
- Airborne Radar
- Automated Test Equipment (ATE)
- Bench-Top Testing \ Product Evaluation Boards
- Test and Instrumentation

Variety of Styles

Standard
7038-0211

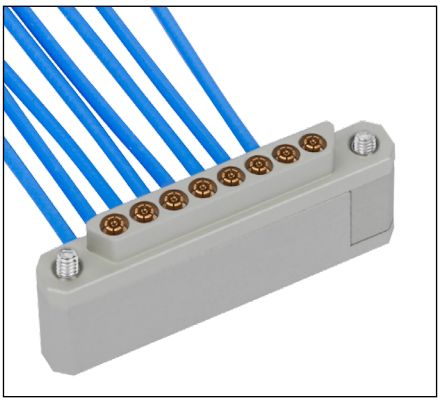


Short
7038-0623



Bulkhead
7038-0726

Right Angle
7038-0758-1



Amphenol SV MICROWAVE

O: 561.840.1800
marketing@svmicrowave.com

Electrical Performance

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

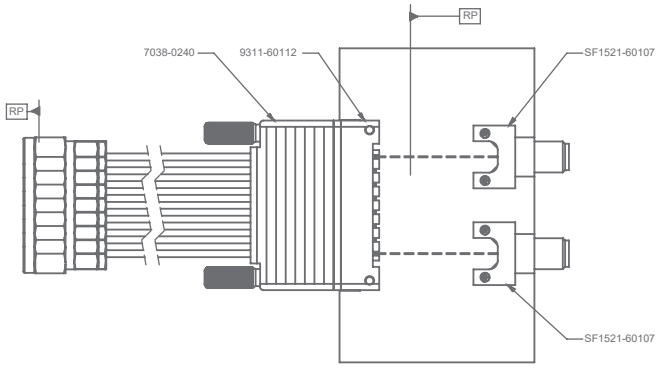


Figure 1

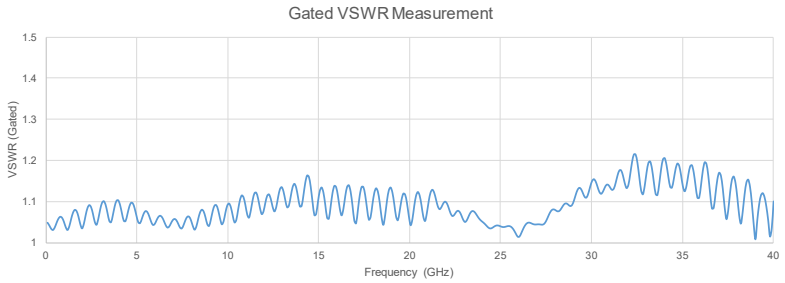


Figure 2

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.

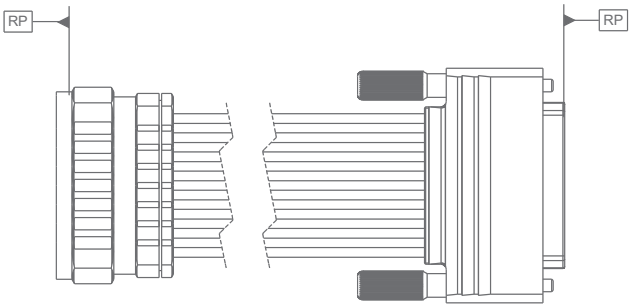


Figure 3

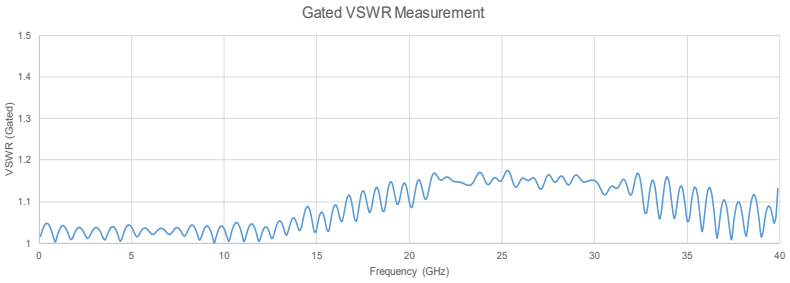


Figure 4

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

Mini-D RF Product Line

Part Number	Description/Name
7038-0211	Mini-D RF Female to (8) 2.92mm Male 6" Cable Assemblies for .047" Cable
9311-60112	Mini-D RF Male PCB Edge Launch Connector, 8 Port
9311-60128	Mini-D RF Male PCB Surface Mount Connector, 8 Port

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