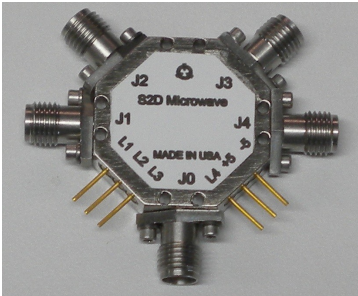


S2D Microwave, Inc. offers broad band, high performance RF Microwave pin diode switches. S4-0455R520 is high performance 500 MHz to 20 GHz reflective design with low insertion loss of 2.9 dB max.



Applications

- Military Radar, Radio and ECM
- Test Instrumentation
- Telecom Infrastructure
- Microwave Radio & VSAT

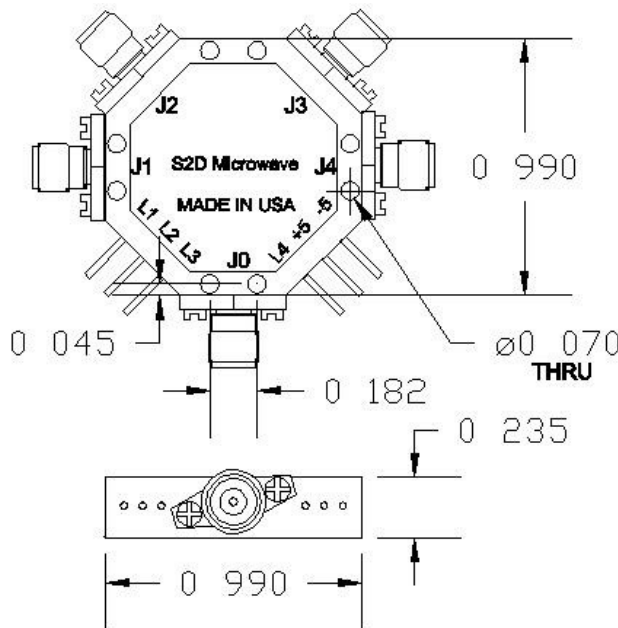
Electrical Specifications

Frequency	0.5 to 20 GHz
Insertion Loss	2.9 dB Max
Isolation	65 dB min
VSWR	1.7 dB max
Impedance	50 Ohm
Bias Voltage	+5@40mA -5@50mA
Switching Speed	30 nsec Typ
RF Power Handling	20 dBm Max

Control

- TTL Logic 0: Low Loss
- TTL Logic 1: Isolation

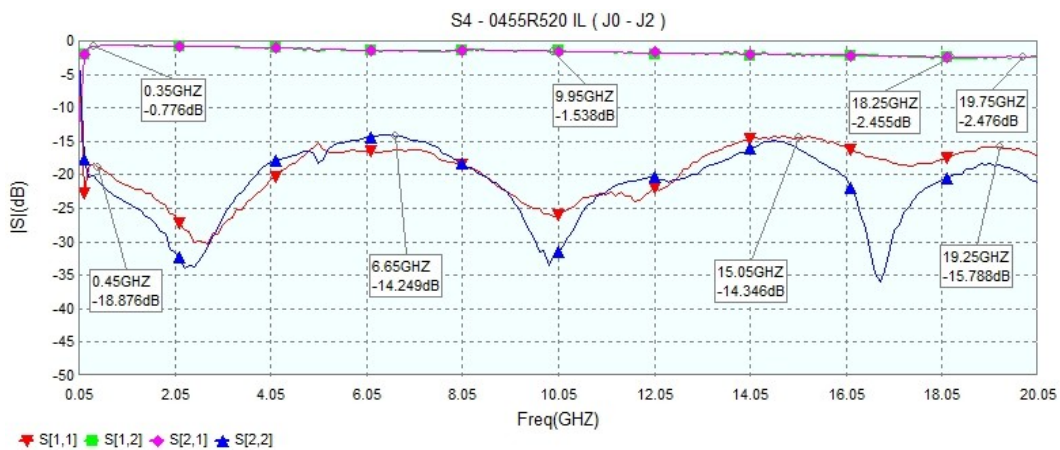
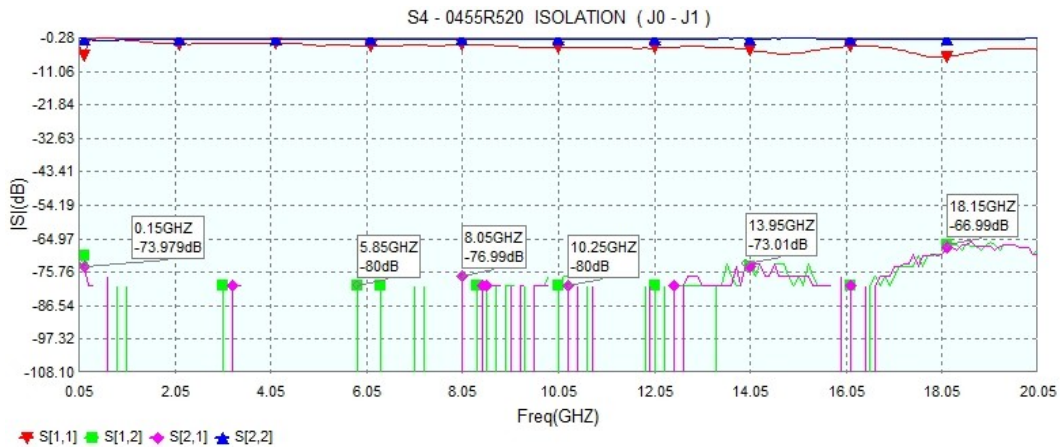
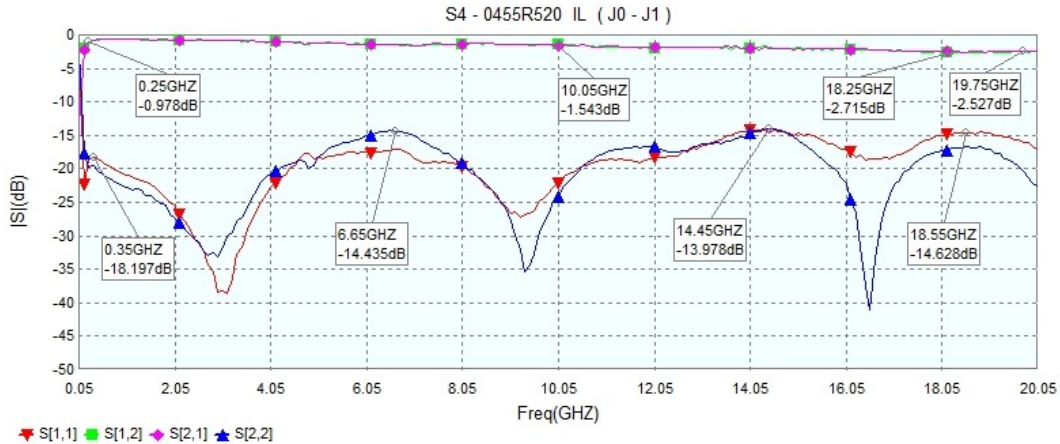
Mechanical Specifications



Ground and Bias connector - solder pins
 Material Connector: Passivated stainless steel
 Material Contacts: Gold plated BeCu
 Connector: Removable SMA(F) X 5
 Mounting holes DIA 70 mil X 6 places
 Operating Temperature: -55 °C to +85 °C
 Plating: Passivated Nickel

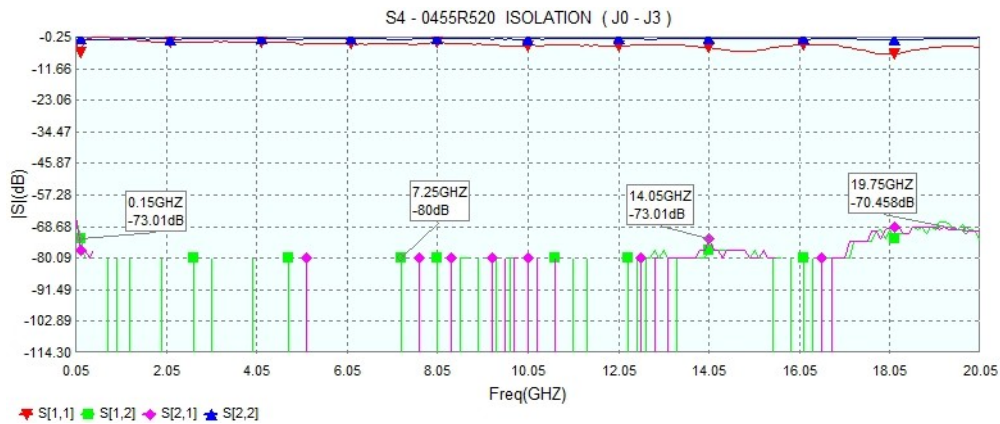
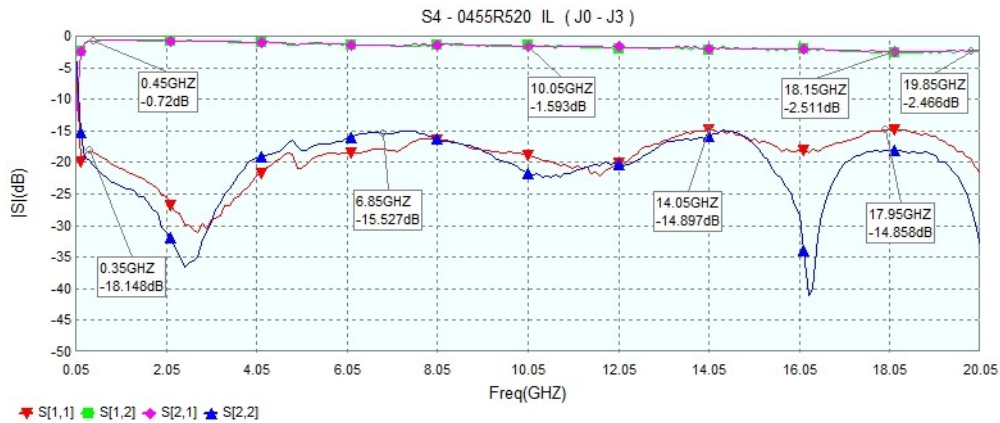
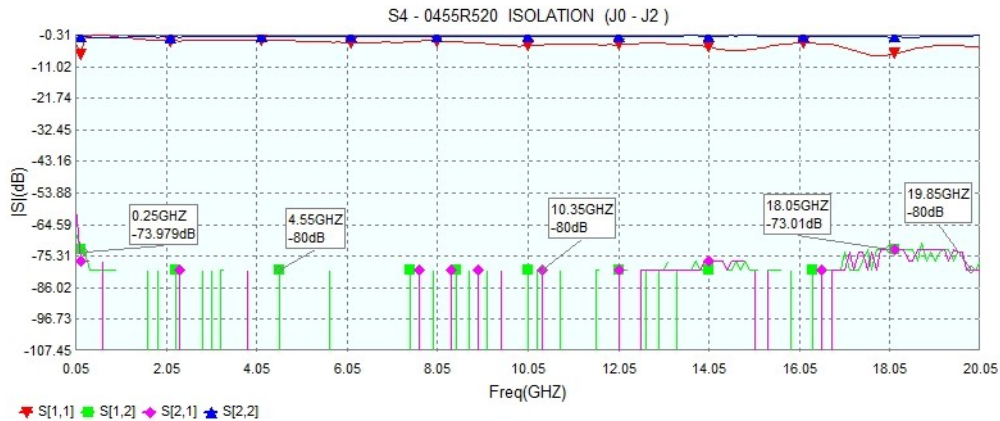
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Typical Performance



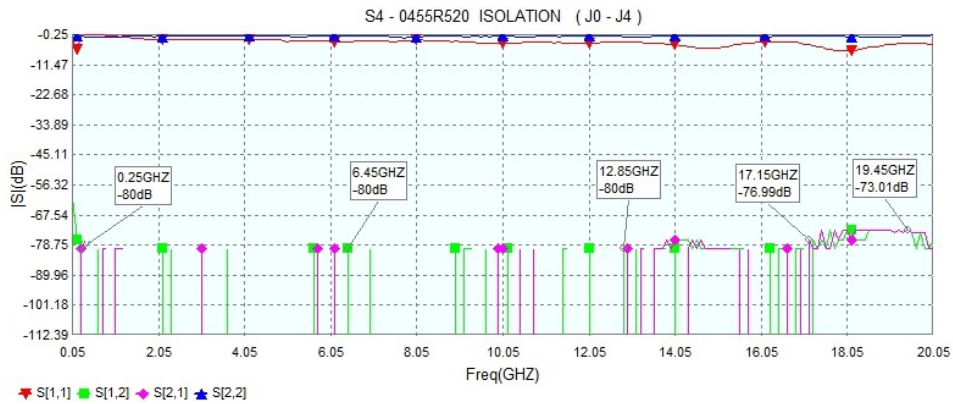
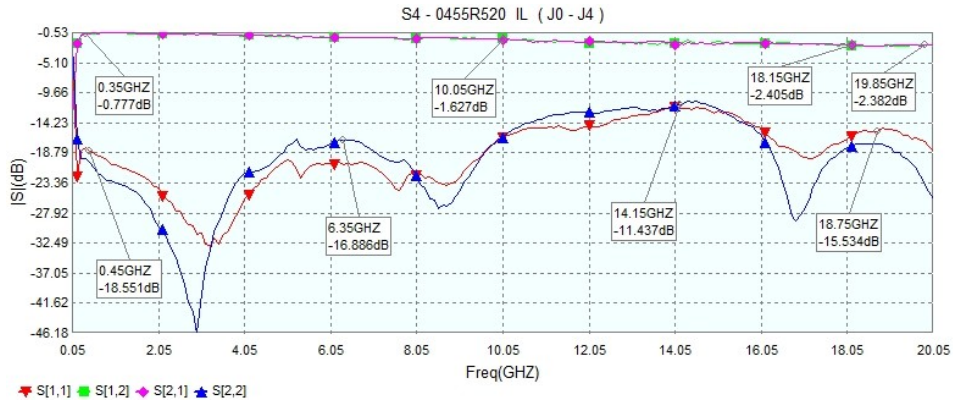
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