

TECHNICAL DATA SHEET

DV1014-2

Configuration

Connector 1	SMA Female
Connector 2	SMA Male
Frequency Range (GHz)	10.70 – 14.50
Design	Isolator

Electrical Specifications

Frequency Range (GHz)	10.70 – 14.50
Impedance (Ohms)	50
Isolation (dB Min)	25
Insertion Loss (dB Max)	0.40
VSWR (dB Min)	23.12
Forward Power (Watts)	15
Peak Power (Watts)	30

Connector 1 and Connector 2

Contact Material and Plating	Beryllium Copper, Gold
Connector Material and Plating	Passivated Stainless Steel
Body Material and Plating	Passivated Stainless Steel

Thermal Vacuum Compliant

Peak Vacuum:	4 x 10E-6 torr
Temperature Range:	-50°C to +200°C

Temperature

Operating Range (C°)	-40°C to +80°C
Storage Temperature (C°)	-55°C to +125°C

Heritage

Wideband Global Satcom	235+ Thermal Vacuum Qualified Isolators
Express AM5 and Express AM6	130+ Thermal Vacuum Qualified Isolators
SICRAL2	120+ Thermal Vacuum Qualified Isolators
KAZSAT3	60+ Thermal Vacuum Qualified Isolators



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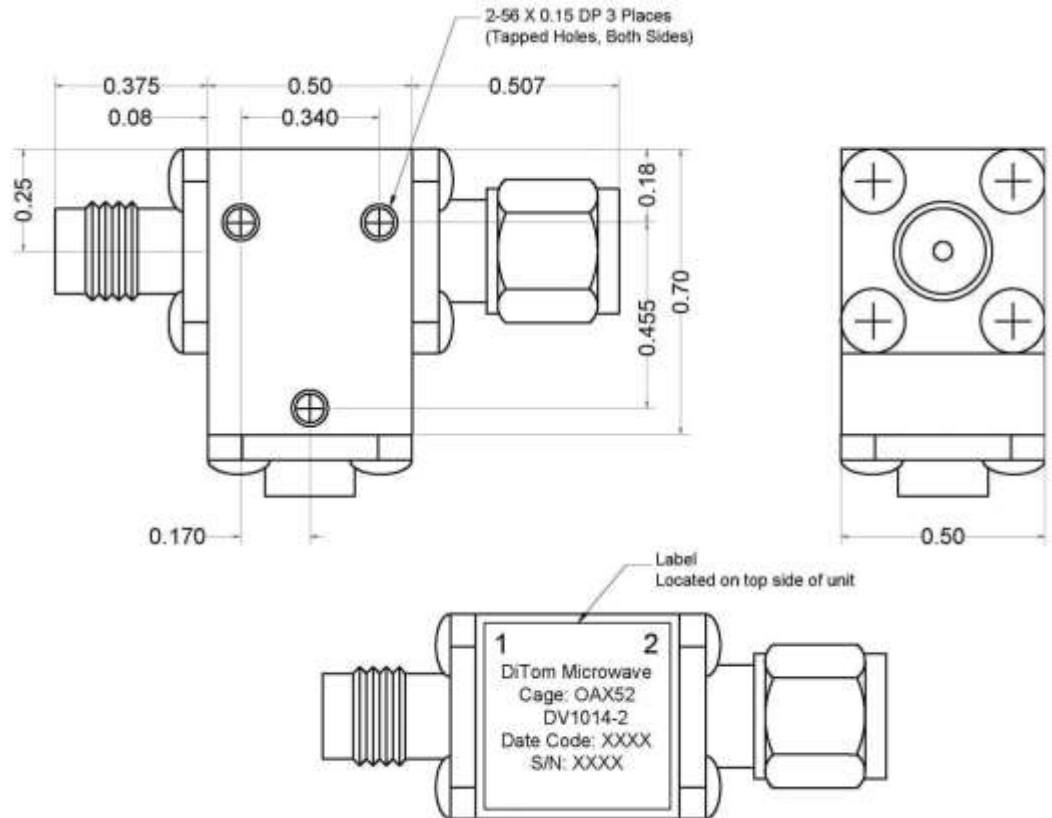
Size

Length: inches (mm)	0.50 (12.70)
Width: inches (mm)	0.70 (17.78)
Height: inches (mm)	0.50 (12.70)

Weight

Ounces:	0.70
Grams:	20

Mechanical Outline

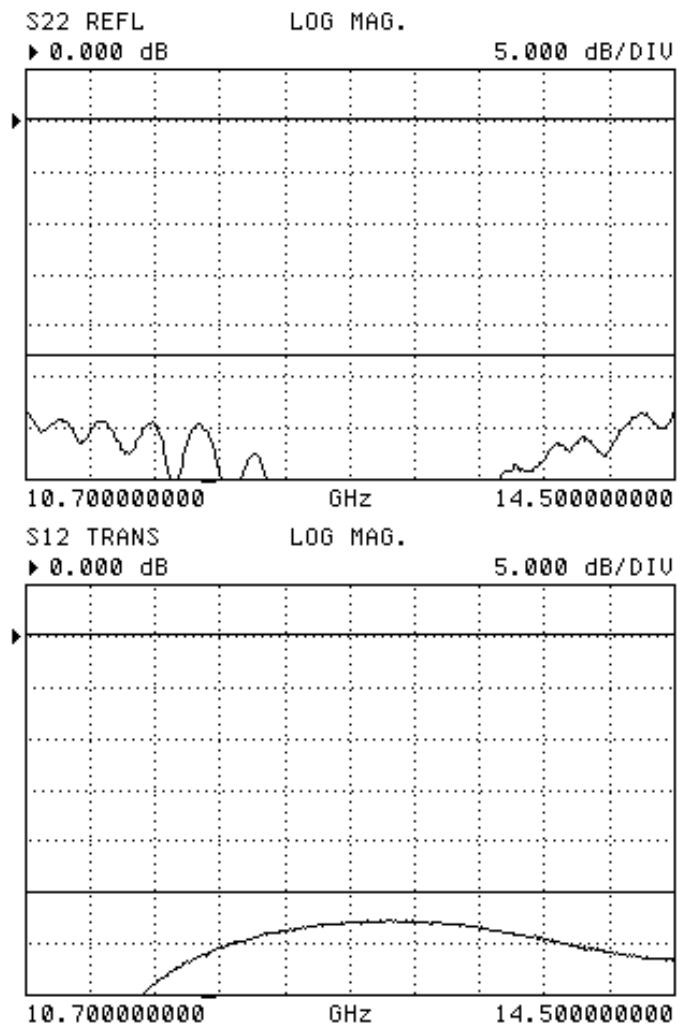
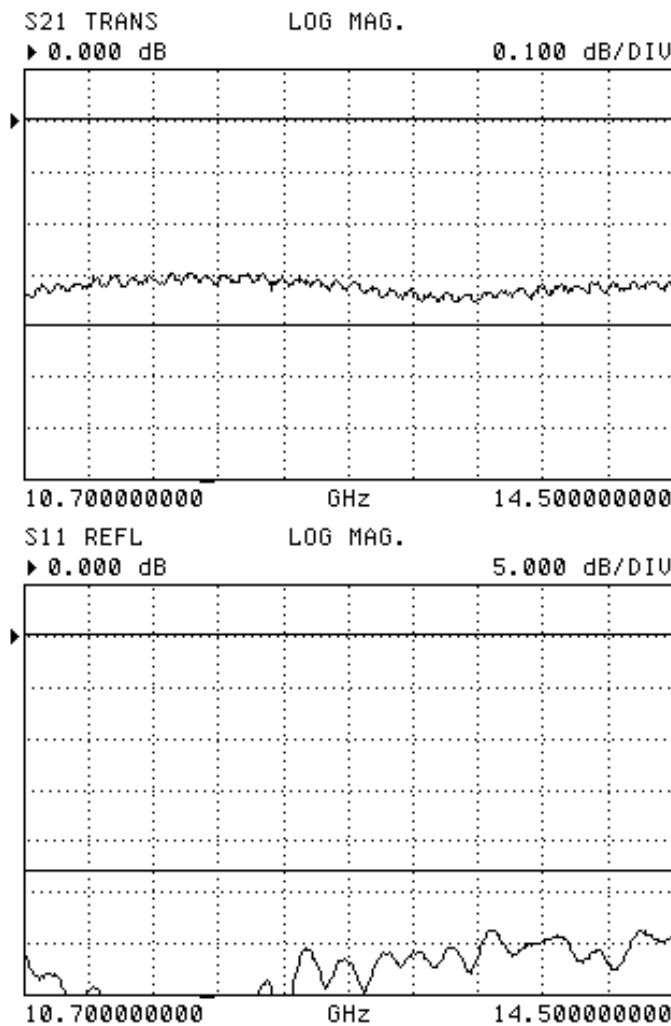


Tolerance

XX±0.030
XXX±0.010

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Electrical Performance
Typical Data
Room Temperature +21°C



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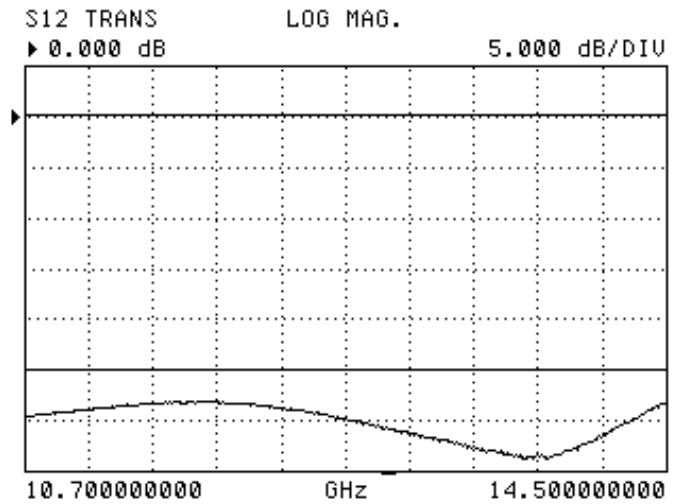
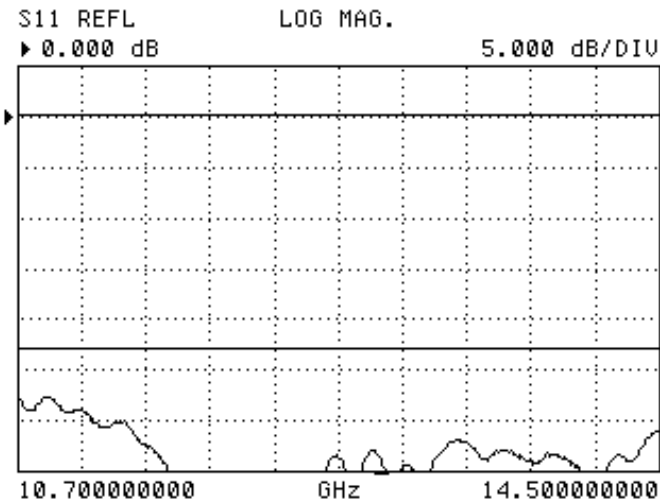
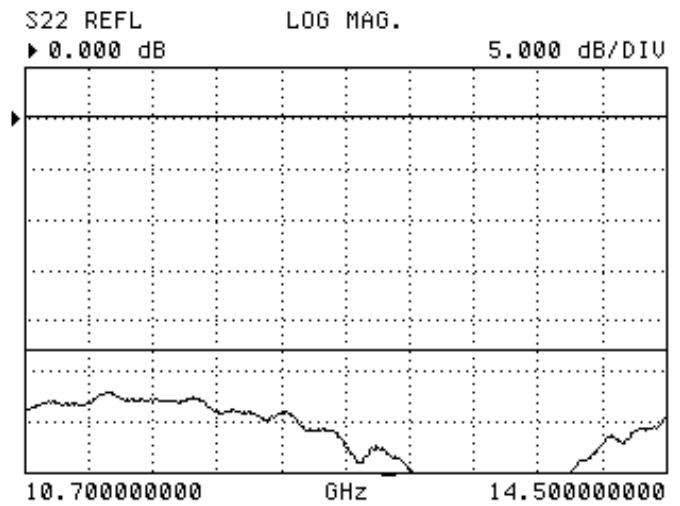
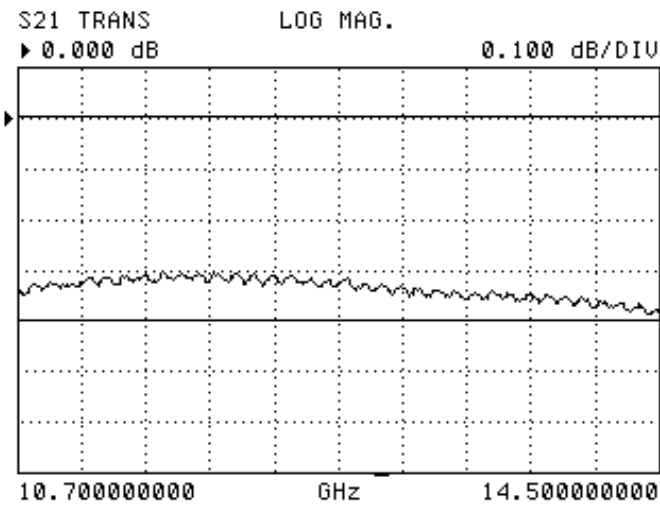


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Electrical Performance

Typical Data
Temperature +80°C



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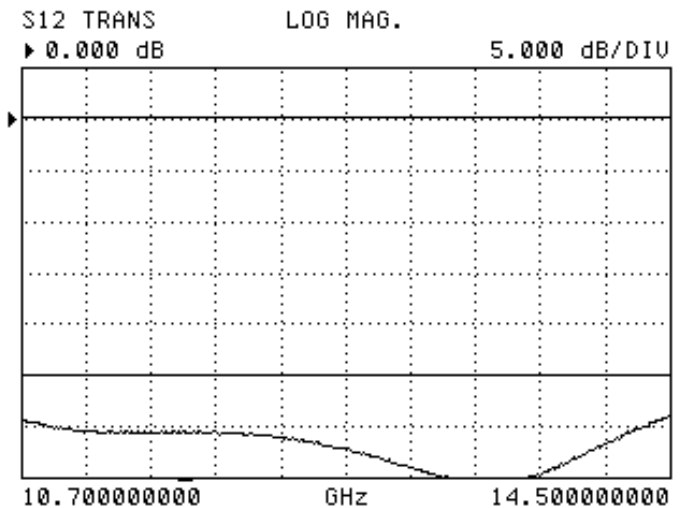
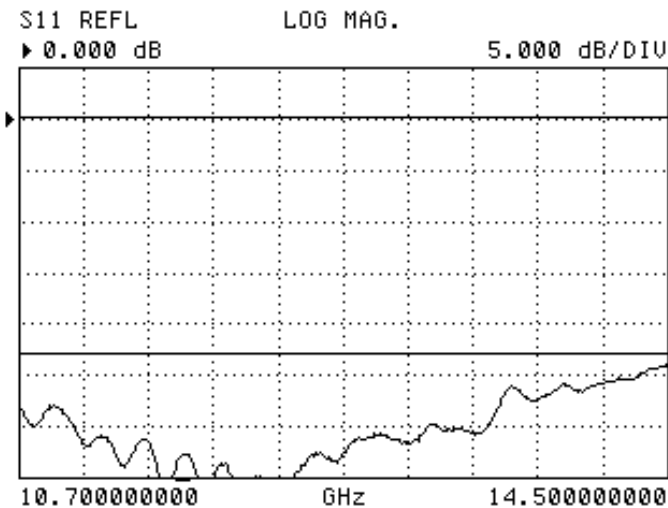
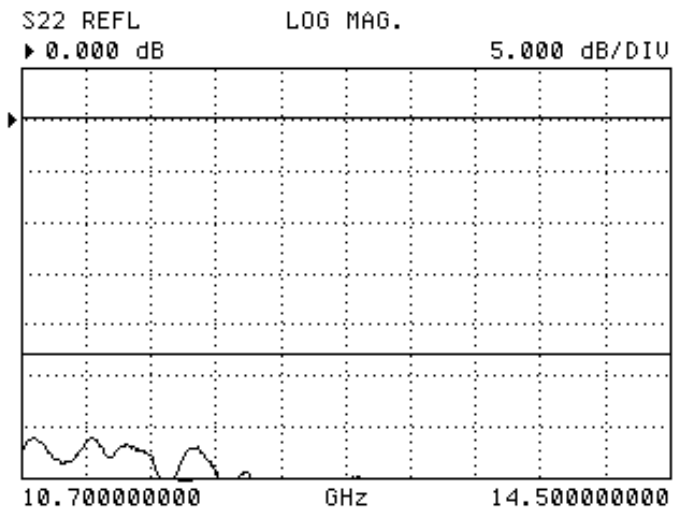
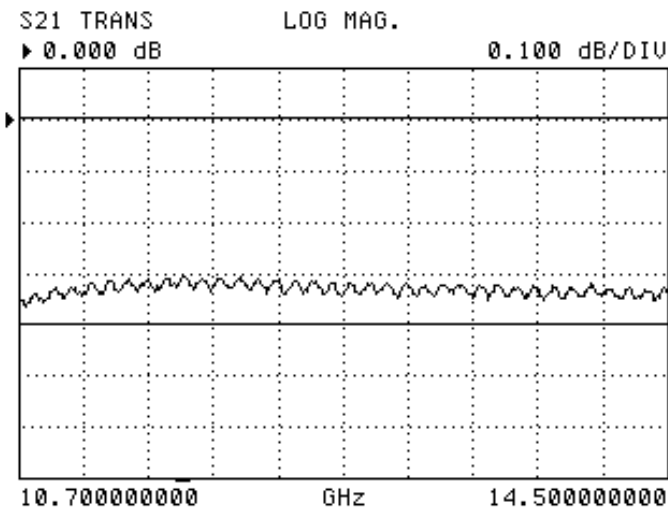


TECHNICAL DATA SHEET

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Electrical Performance

Typical Data
Temperature -40°C



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