

TECHNICAL DATA SHEET

DV1721-1

Configuration

Connector 1	SMA Male
Connector 2	SMA Female
Frequency Range (GHz)	17.30 – 21.20
Design	Isolator

Electrical Specifications

Frequency Range (GHz)	17.30 – 21.20
Impedance (Ohms)	50
Isolation (dB Min)	22
Insertion Loss (dB Max)	0.45
VSWR (dB Min)	20.83
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 +85°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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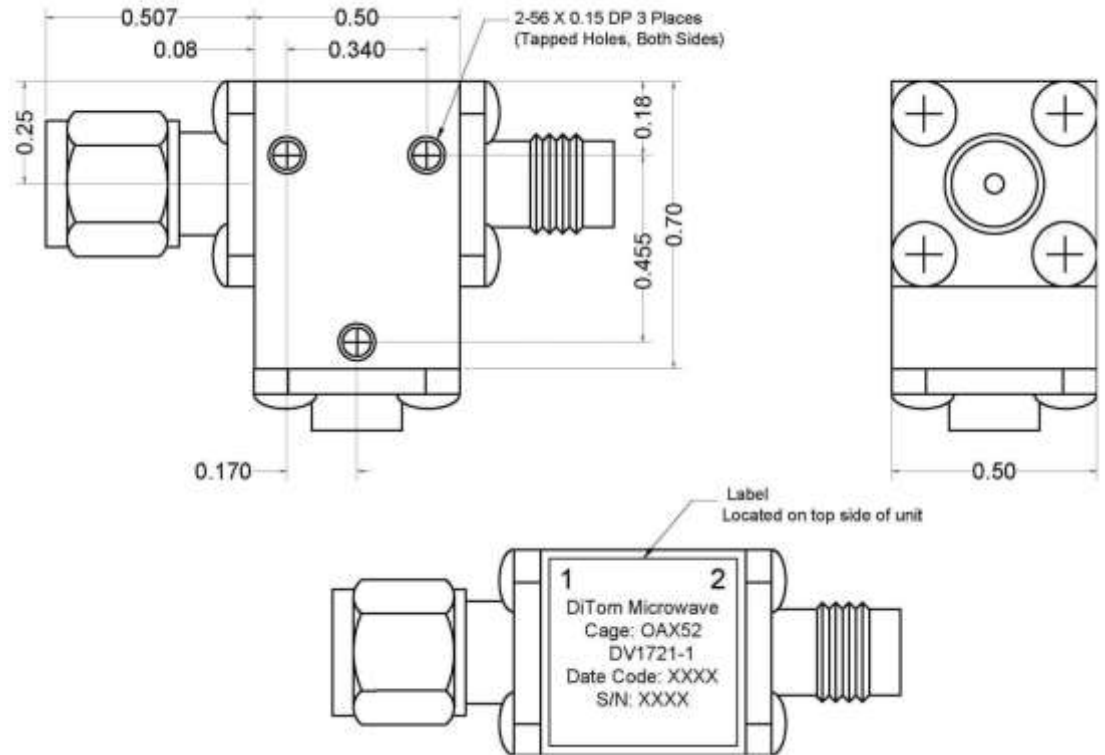
Size

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

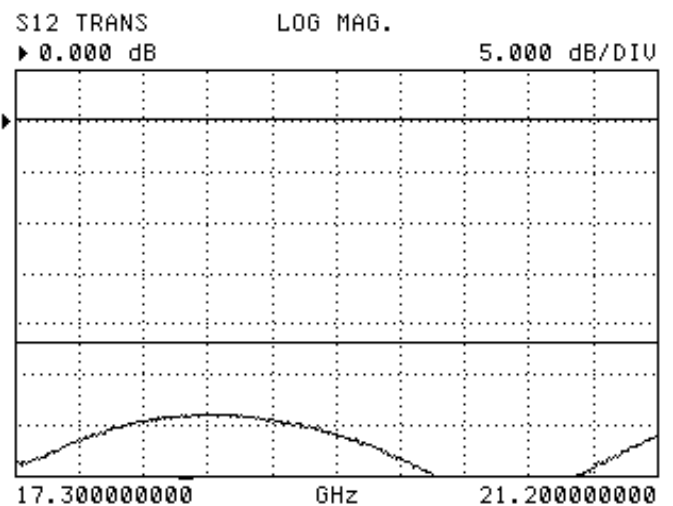
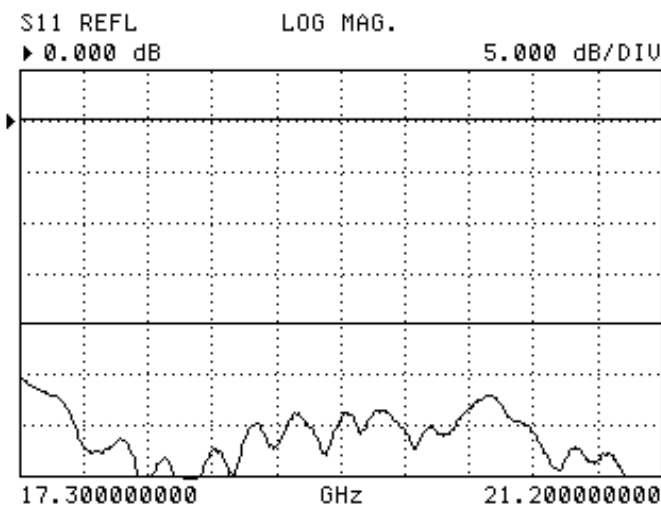
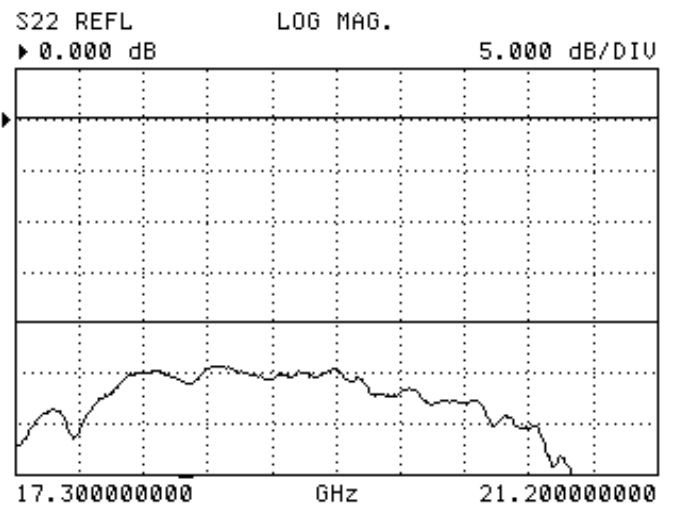
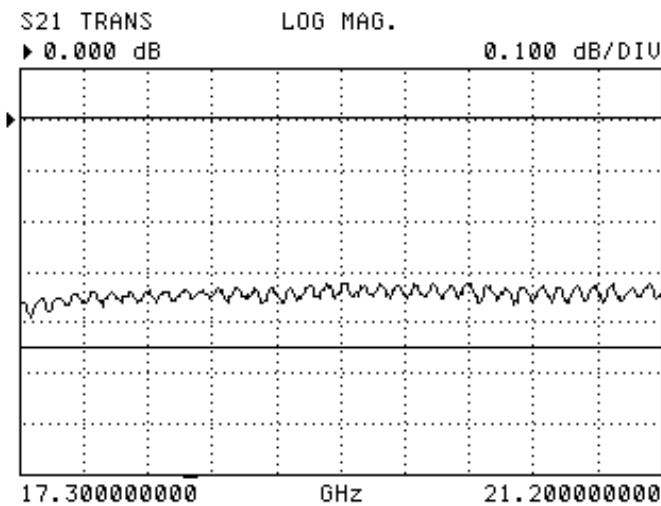
XX±0.030
XXX±0.010

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Electrical Performance

Typical Data

Room Temperature +21°C



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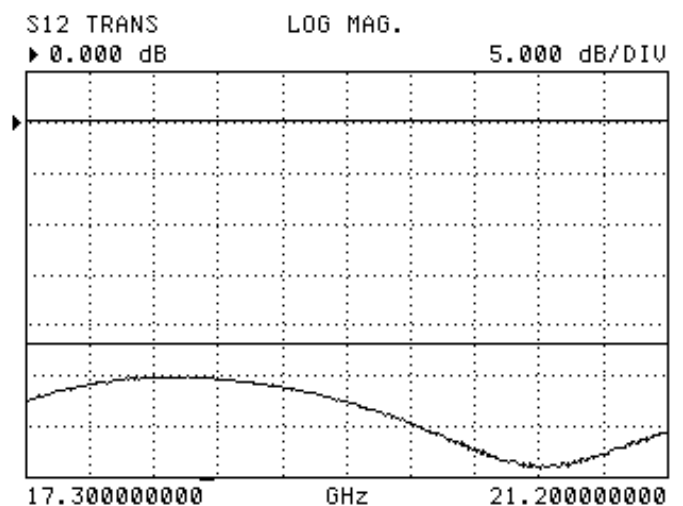
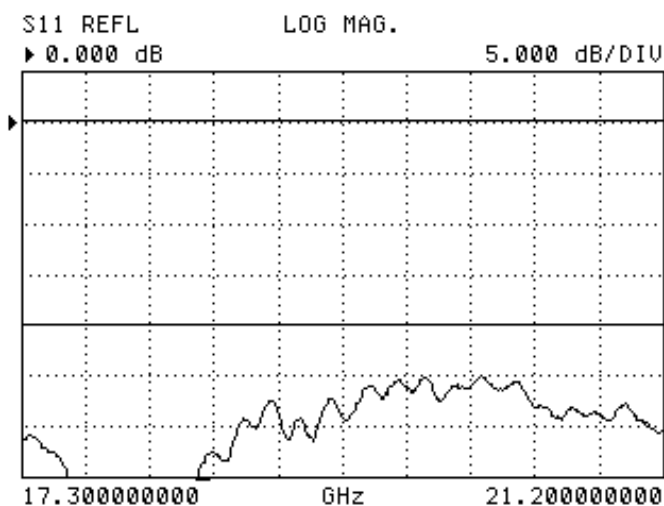
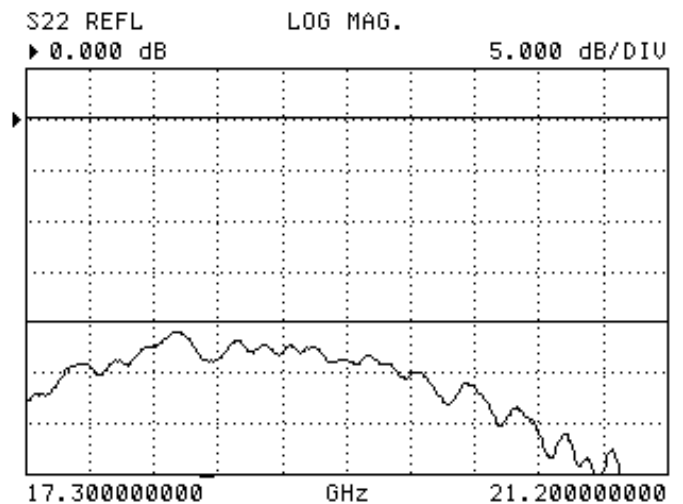
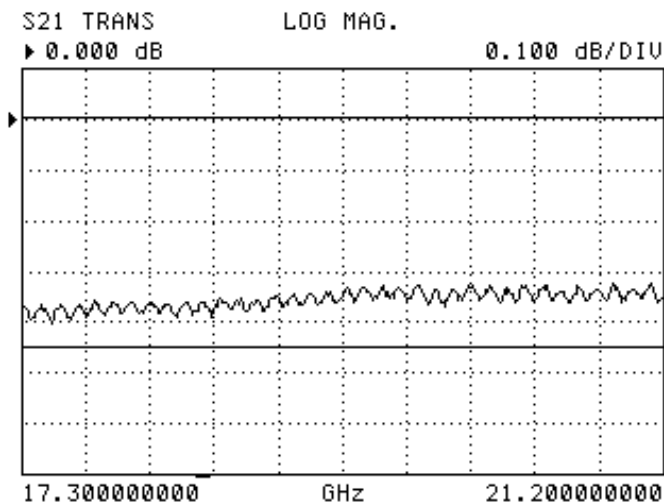


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DV1721-1

Electrical Performance

Typical Data
Temperature +85°C



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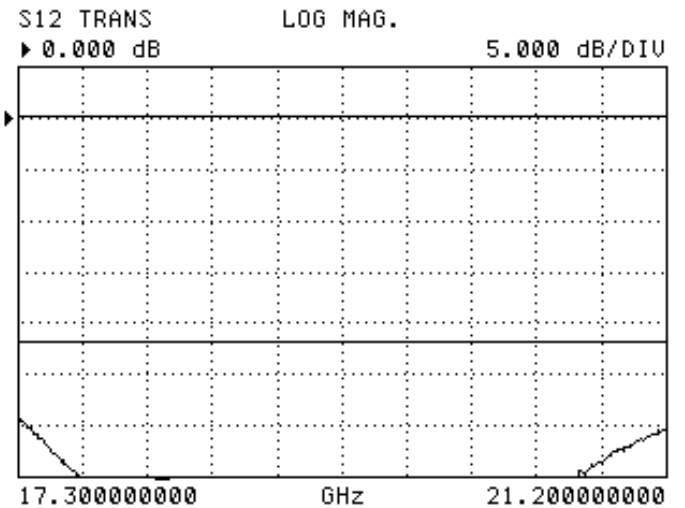
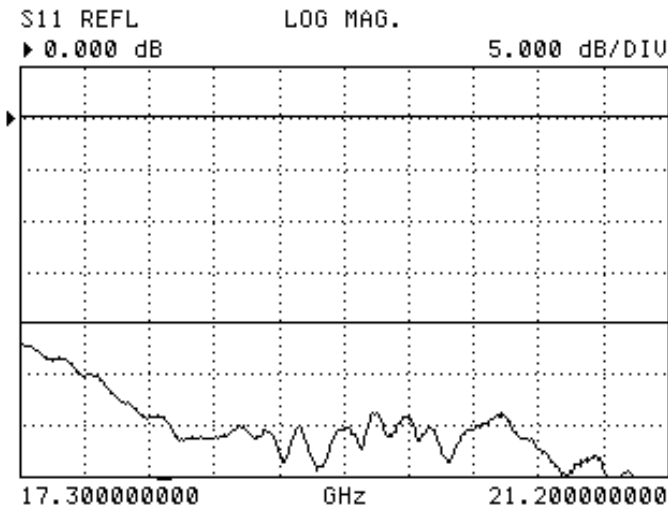
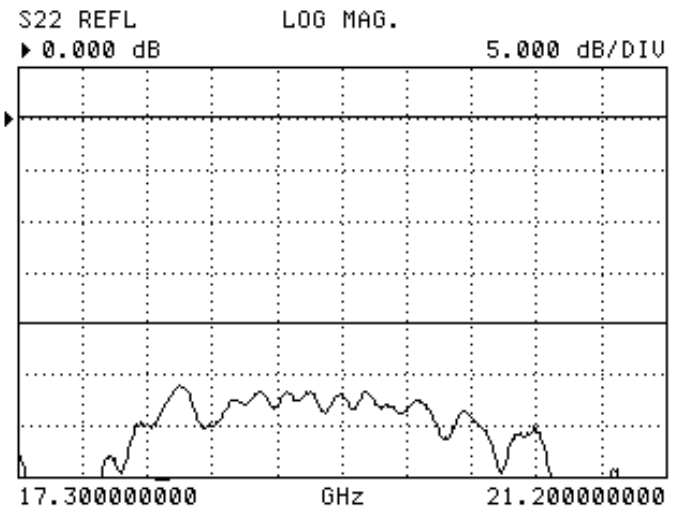
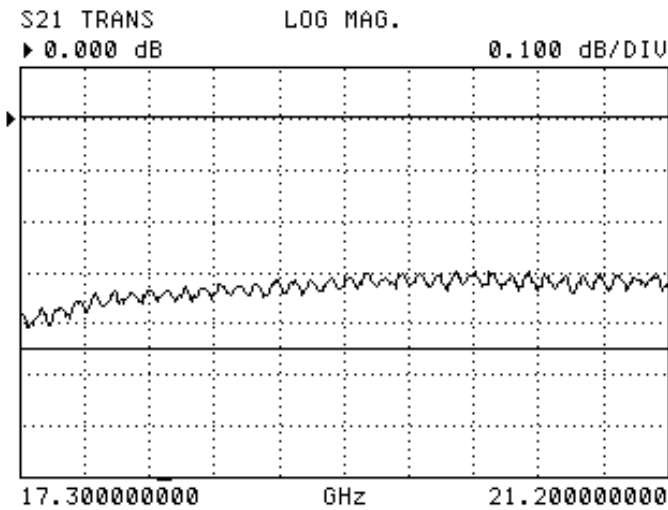


TECHNICAL DATA SHEET

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Electrical Performance

Typical Data
Temperature -40°C



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