

FEATURES

- Space Heritage Design
- Excellent Amplitude and Phase Balance
- RF Ports Matched to 50 Ohms
- Compact Design for Space & Weight Savings

TYPICAL APPLICATIONS

- Phased Arrays
- Beamforming Networks
- Multi-Channel Distribution

ELECTRICAL SPECIFICATIONS (@ 23°C)

Parameter	Min	Max	Typ	Units
Frequency Range	8.00	16.00	-	GHz
Amplitude Balance	-	0.2		dB
Phase Balance	-	5	-	°
Isolation	20	-	-	dB
Insertion Loss	-	0.6		dB
VSWR Input	-	1.35:1	-	-
VSWR Output	-	1.40:1	-	-
CW Input Power with VSWR 1.2:1	-	10	-	W
CW Input Power with VSWR 2.0:1	-	1	-	W
Operating Temperature	-55	+85		°C
Connector Options	SMA Female (MIL-PRF-39012)			
*Screening Options	-EM = Engineering Model (No Screening) -FM = Standard Screening			

*Screening options do not include Element Evaluation, Group B nor Group C Testing. Consult factory to add these requirements. Engineering Models are built using same materials and processes but are not screened. Not recommended for flight.

Included Standard Screening (100% of Units)

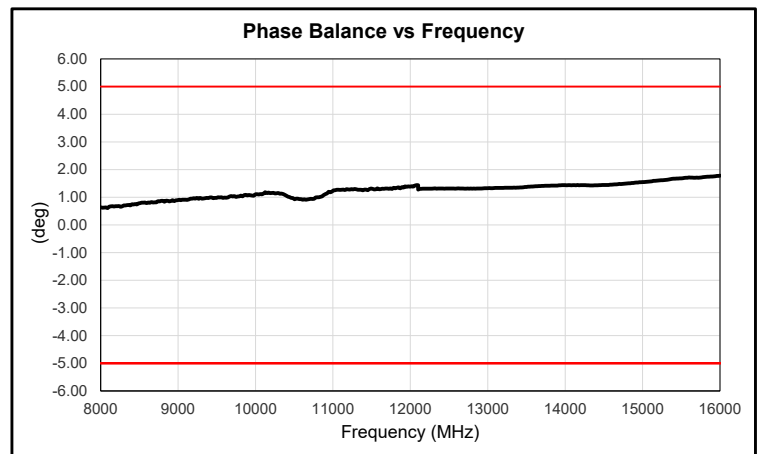
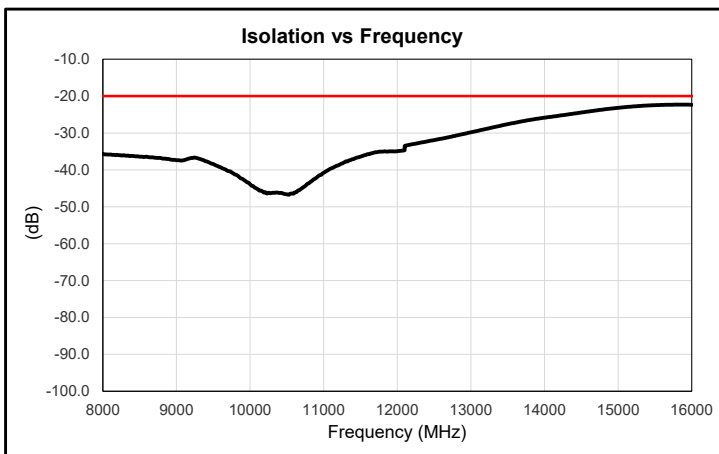
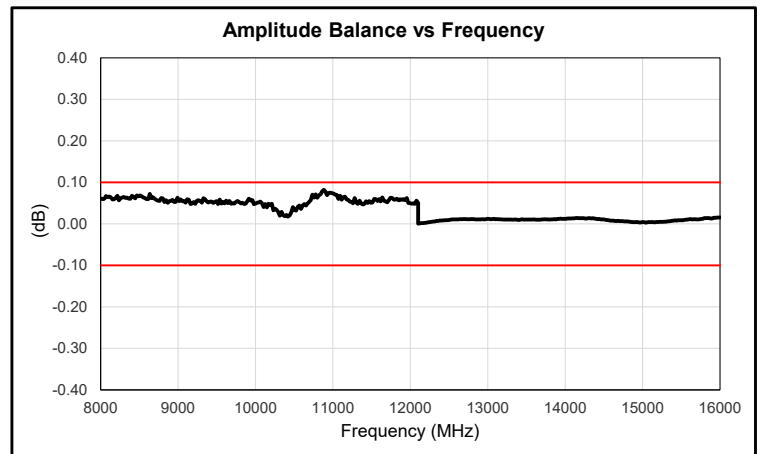
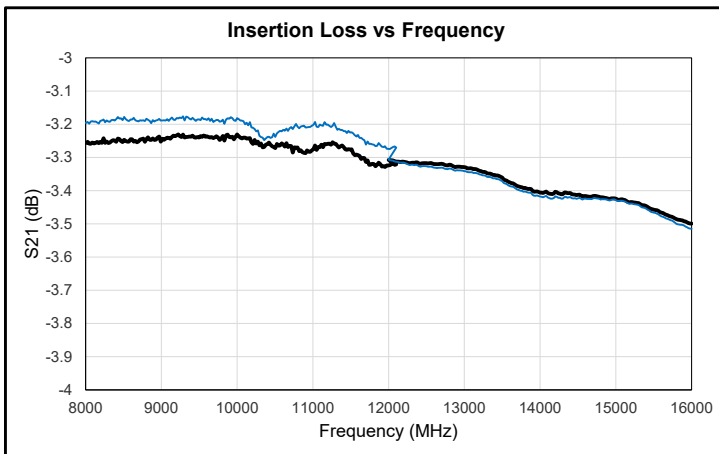
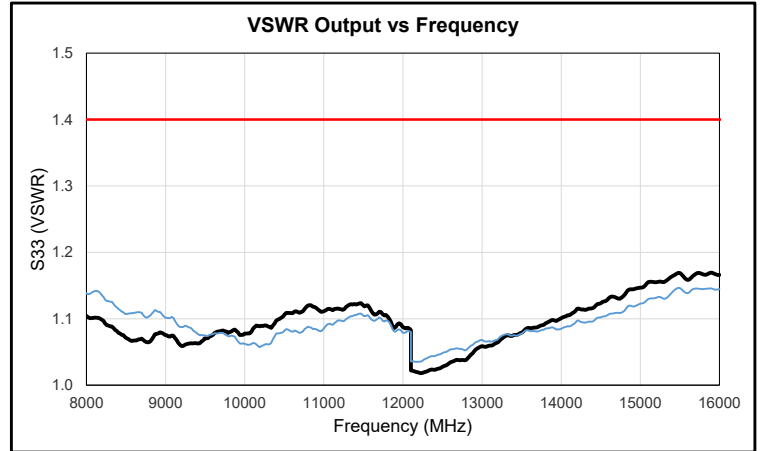
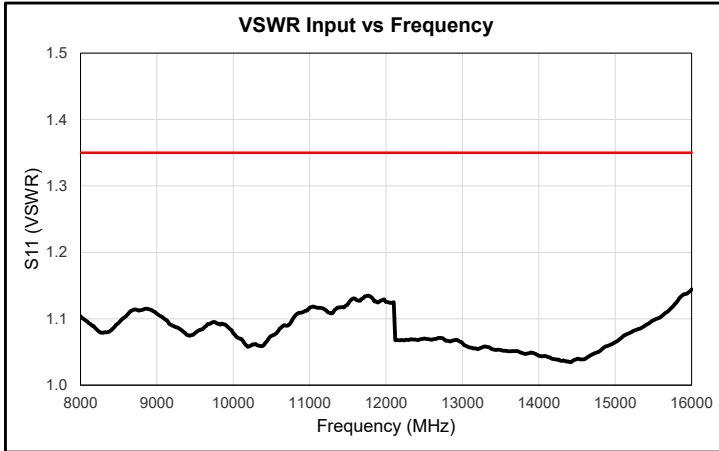
Parameter	Test Method
Internal Visual	MIL-STD-883, Method 2017
Vibration (Random)	MIL-STD-202, Method 214, Condition A, 1 min/axis
Temperature Cycling	MIL-STD-883, Method 1010, Condition B, -55°C to +125°C
Stabilization Bake	MIL-STD-883, Method 1008, Condition B, +125°C
Burn-in	240 Hours @ 125°C
Electrical Test @ Temp Extremes	Verify Specifications @ -55°C, +23°C, +85°C
External Visual	MIL-STD-883, Method 2009

The information above is relative to the sale of a COTS product as depicted. For information regarding other power divider features not listed for this specific power divider model, please review our product overview brochure at the following link or contact your local representative.

The material presented in this datasheet was current at the time of publication. Narda-MITEQ's continuing product improvement program makes it necessary to reserve the right to change our mechanical and electrical specifications without notice. If either of these parameters is critical, please contact the factory to verify that the information is current.

This material consists of Narda-MITEQ general capabilities information and does not contain controlled technical data as defined within the International Traffic in Arms (ITAR) Part 120.10 or Export Administration Regulations (EAR) Part 734.7-11. D-405/05.01.18.

Typical Performance @ 23°C



S2P file may be available upon request

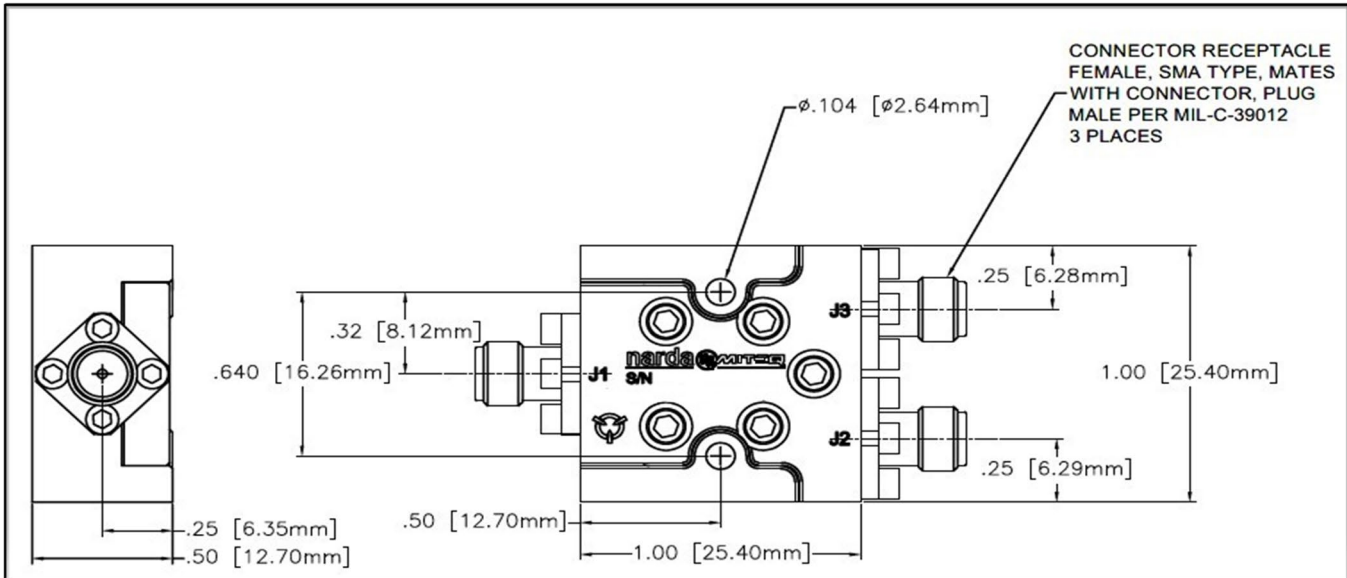
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Outline Drawing



STEP file may be available upon request

Mechanical Specifications

Parameter	Value
Length	1.00 in [25.40 mm]
Width	1.00 in [25.40 mm]
Height	0.50 in [12.70 mm]
Connectors	SMA(F)
Approx. Weight	1.1 oz [32 g]

Ordering Information

SPD 2 - 8000 - 16000 - 10 - FM

of Outputs

Operating Freq. (MHz)

Input Power (W)

Screening Options

- EM = Engineering Model (No Screening)
- FM = Standard Screening