

Power Divider, 2-way, 6-26.5GHz, SMA Female

WM2PD-6-26.5-S



Parameter	Low Band	Mid Band	High Band	Unit
Frequency Range	6000-12400	12400-18000	18000-26500	MHz
Impedance	50			Ω
Return Loss (Port S)	15	15	14	dB, min.
Return Loss (Port 1-2)	15	15	14	dB, min.
Insertion Loss above 3.01dB	0.8	0.8	1.2	dB, max.
Isolation	17	17	17	dB, min.
Amplitude Unbalance ($\pm$) ¹	0.3	0.3	0.5	dB, max.
Phase Unbalance ($\pm$) ¹	2	3	6	Degree, max.
Input Power (CW) ²	20			W, max.
Combining Power (CW) ²	0.03			W/port, max.
DC Current	0.27			A/port, max.

Connector Interface SMA Female

Operating Temperature³ -55 to +85 °C

Storage Temperature -55 to +100 °C

Nominal Weight 34.7 g (1.22 oz)

Operating Humidity 10-90% (non-condensing)

Operating Environment Indoor Use Only

HTSUS Code 8548.00.0000

ECCN EAR99

RoHS Status⁴

REACH Status⁴

Enclosure Material

Connectors Material

Contacts Material

Insulators Material

Finish

Country of Origin

RoHS3 Compliant

REACH Unaffected

Aluminum

Stainless Steel

Beryllium Copper, Gold Plated

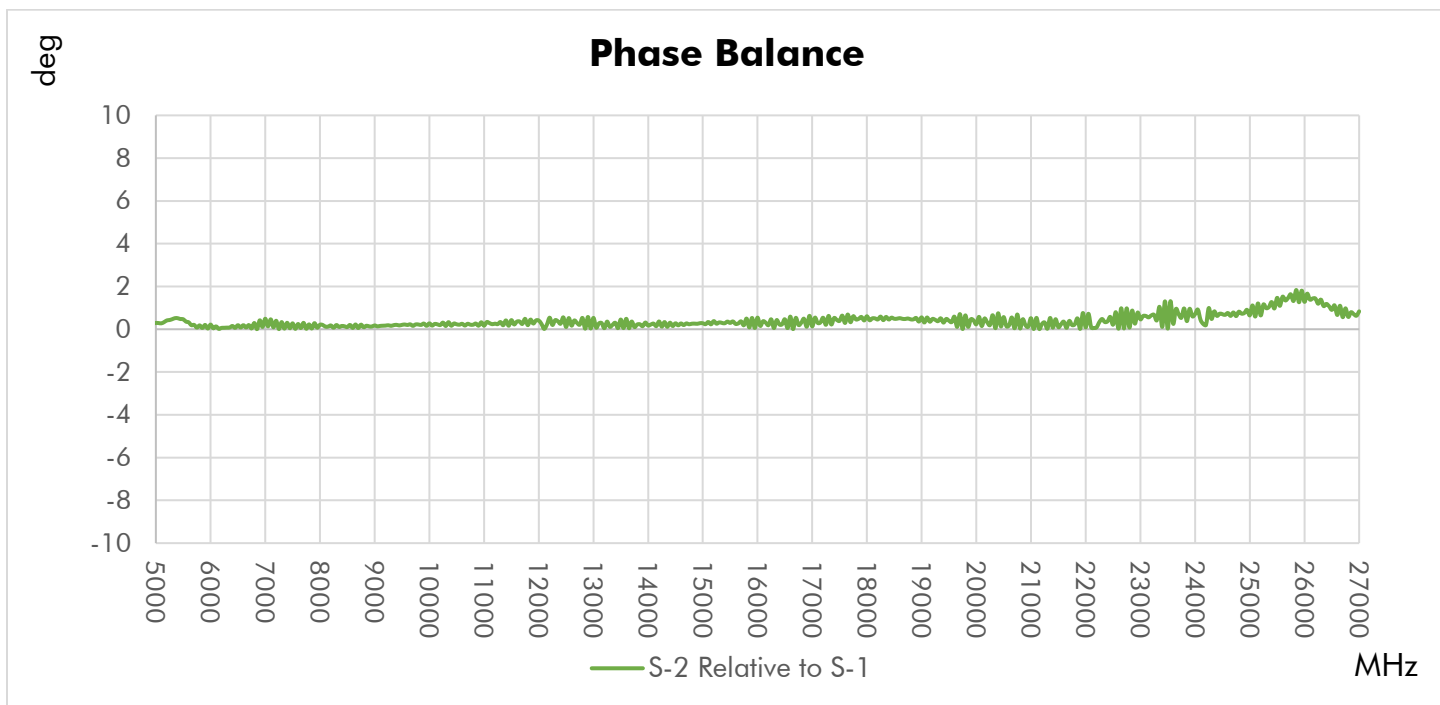
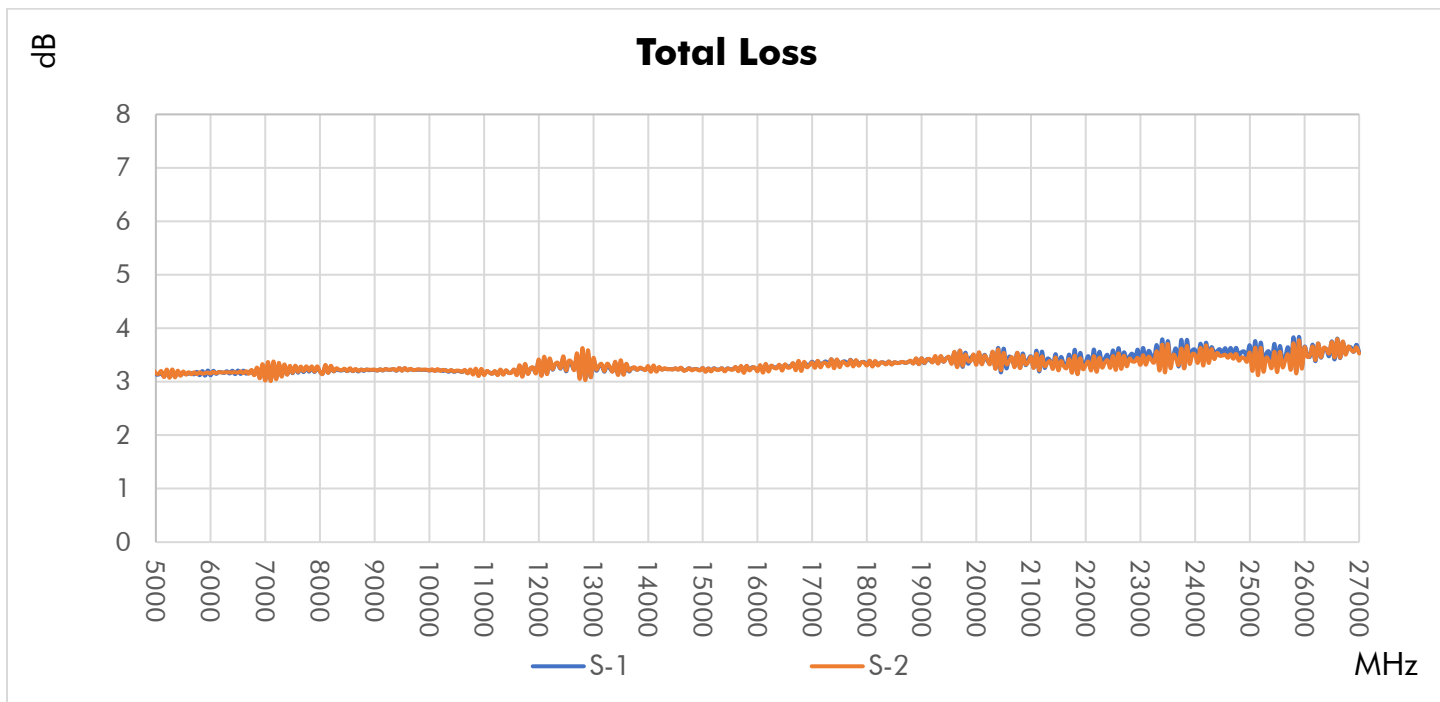
Virgin PTFE

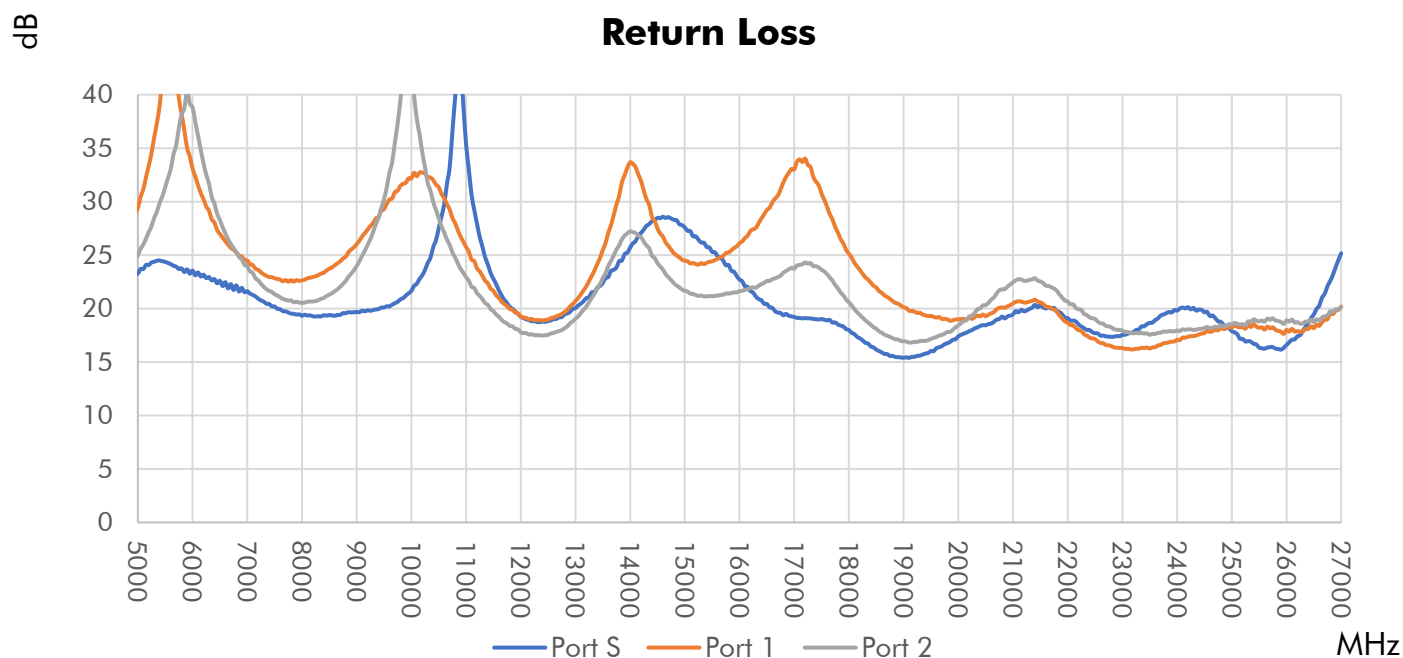
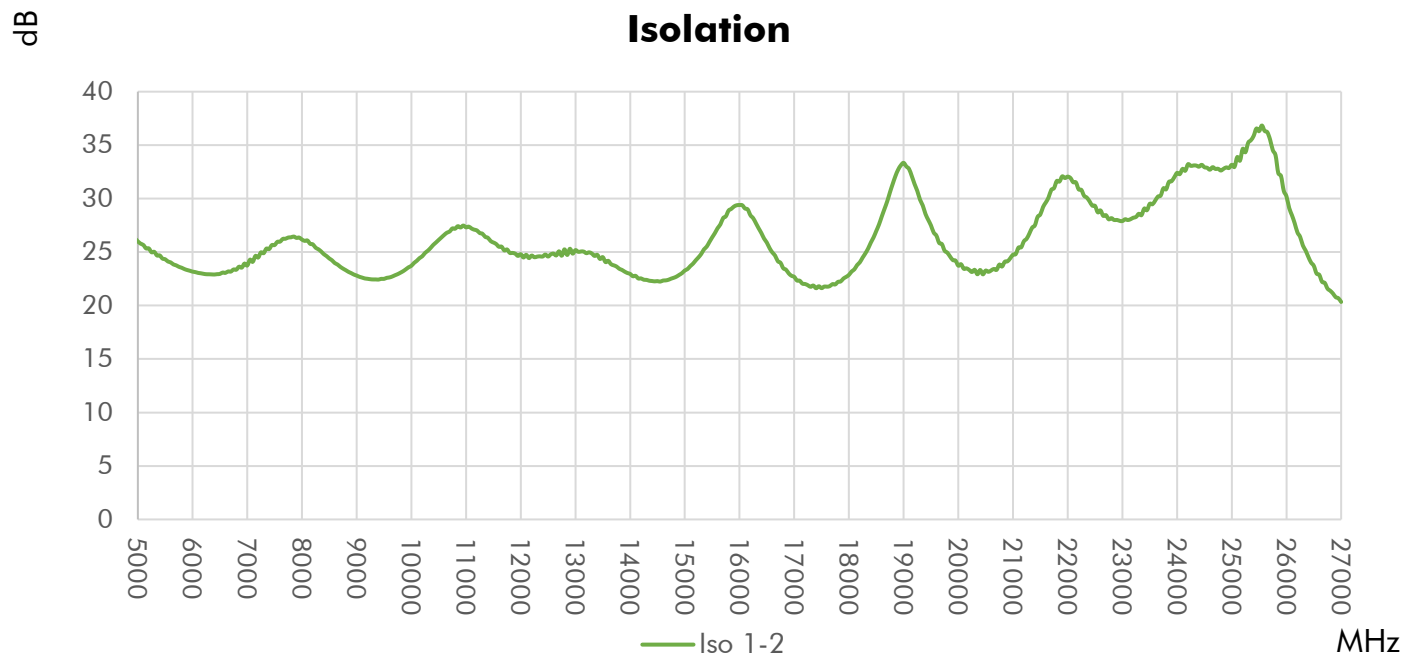
Green Paint

United States of America

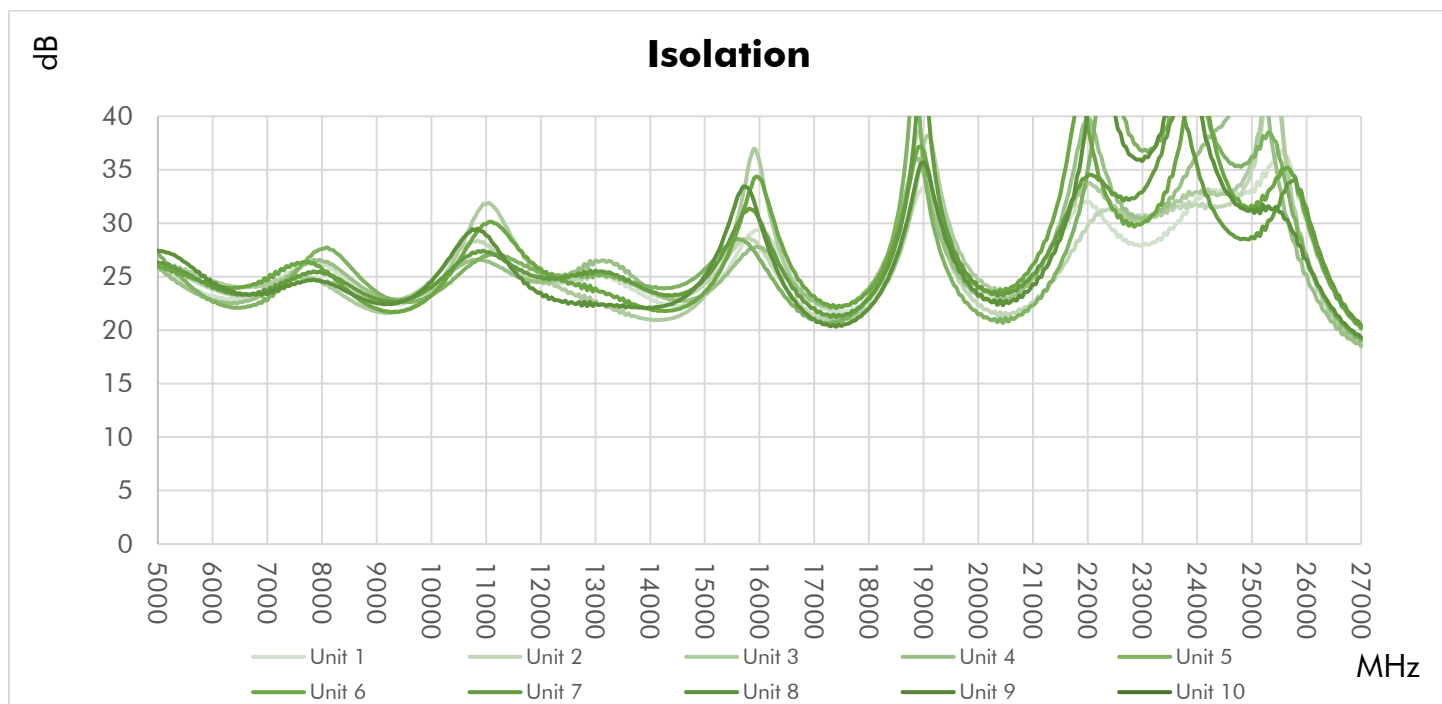
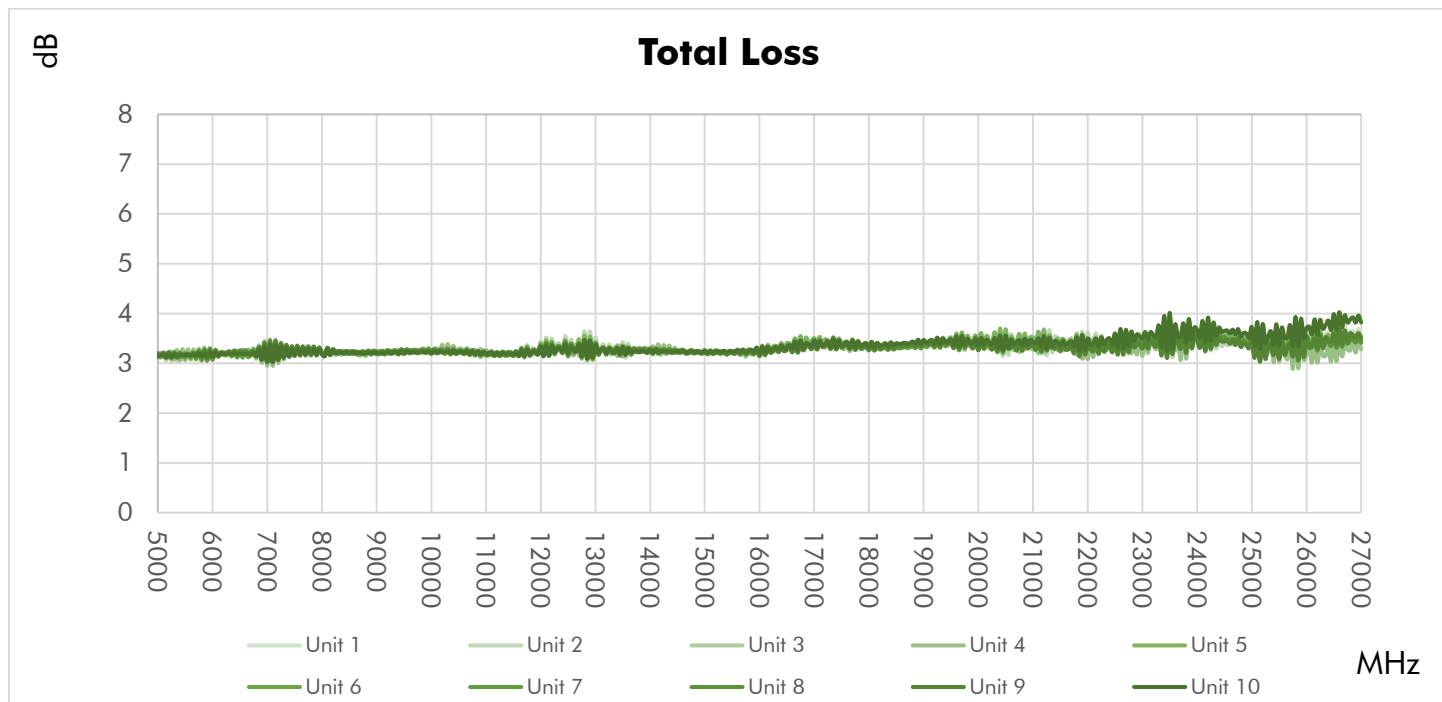
1. With reference to average.
2. All output ports should be terminated in a 50-ohm load with 1.2:1 max VSWR.
3. Electrical specifications are tested at +25 °C.
4. To the best of our knowledge at the time of publication.

Typical Performance at +25 °C





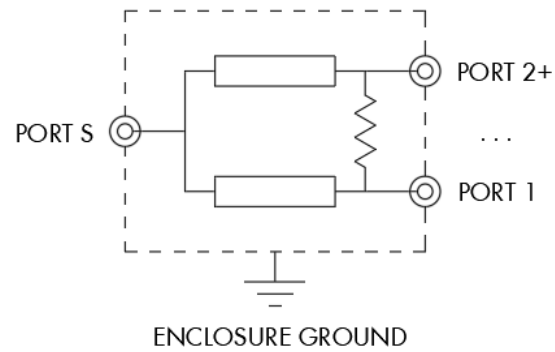
Repeatability in Production



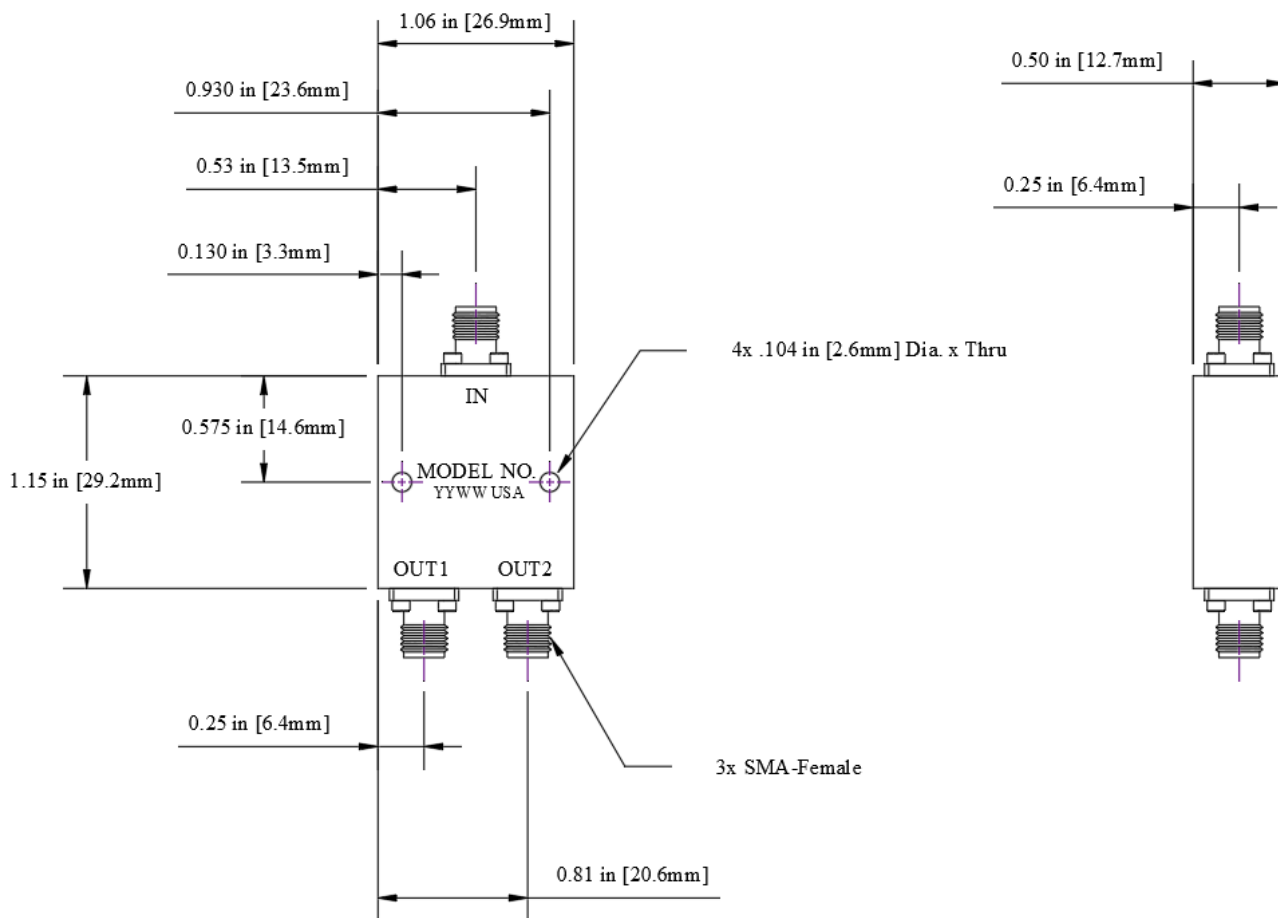
Typical Performance Data

Frequency (MHz)	Return Loss (dB)			Total Loss (dB)		Isolation (dB)
	Port S	Port 1	Port 2	S-1	S-2	
950	9.93	12.31	12.21	3.51	3.53	5.95
1000	9.95	12.51	12.41	3.54	3.56	6.19
1500	10.22	14.29	14.19	3.43	3.45	8.55
2000	10.69	15.32	15.42	3.50	3.51	11.47
2500	11.53	16.05	16.38	3.39	3.40	14.72
3000	13.14	17.27	17.64	3.10	3.13	18.54
3500	15.07	18.57	18.61	3.29	3.32	23.65
4000	17.69	20.67	19.90	3.08	3.10	27.66
4500	20.78	24.15	21.99	3.14	3.18	27.80
5000	23.28	29.41	24.98	3.14	3.16	26.00
5500	24.37	42.52	31.35	3.16	3.19	24.33
6000	23.55	33.08	38.84	3.12	3.15	23.17
6500	22.60	26.99	28.28	3.21	3.17	22.96
7000	21.63	24.49	23.97	3.04	3.02	23.74
7500	20.19	22.83	21.34	3.16	3.17	25.66
8000	19.33	22.64	20.54	3.19	3.19	26.17
8500	19.38	23.72	21.30	3.20	3.20	24.40
9000	19.68	26.02	23.97	3.22	3.23	22.80
9500	20.10	29.29	30.20	3.21	3.21	22.50
10000	21.65	32.18	42.33	3.21	3.21	23.72
11000	35.39	25.76	22.93	3.15	3.12	27.31
12000	19.23	19.26	17.79	3.39	3.42	24.80
13000	20.04	20.70	19.05	3.42	3.45	25.19
14000	25.70	33.68	27.21	3.27	3.29	22.96
15000	27.58	24.46	21.66	3.25	3.26	23.28
16000	22.72	26.11	21.62	3.23	3.20	29.40
17000	19.21	33.01	23.73	3.37	3.36	22.69
18000	17.99	25.14	20.58	3.32	3.30	22.87
19000	15.40	20.12	16.94	3.44	3.44	33.35
20000	17.40	18.98	18.42	3.36	3.31	23.73
21000	19.45	20.48	22.46	3.47	3.46	24.77
22000	19.10	18.68	20.65	3.37	3.31	32.06
23000	17.55	16.30	17.94	3.34	3.31	27.90
24000	19.81	17.08	17.95	3.60	3.50	32.41
25000	17.89	18.23	18.50	3.68	3.54	33.16
26000	16.60	18.00	18.88	3.65	3.64	30.21
27000	25.17	20.18	20.13	3.55	3.53	20.34

Simplified Electrical Schematic



Outline Dimensions



Outline drawing: OL-02-0626

Dimensions are in inches, [mm] shown for convenience.

Tolerances on 2-pl decimals: ± 0.03 . 3-pl decimals: ± 0.015 .

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