

Power Divider, 3-way, 18-26.5GHz, SMA Female

WM3PD-18-26.5-S



Parameter	Min.	Typ.	Max.	Unit
Frequency Range	18000		26500	MHz
Impedance		50		Ω
Return Loss (Port S)	12	15.3		dB
Return Loss (Port 1-2)	12	16.1		dB
Insertion Loss above 4.8dB		1.11	1.7	dB
Isolation	15	23.9		dB
Amplitude Unbalance ($\pm$) ¹		0.57	0.9	dB
Phase Unbalance ($\pm$) ¹		2.3	10	Degree
Input Power (CW) ²			10	W

Connector Interface SMA-Female

Operating Temperature³ -55 to +85 °C

Storage Temperature -55 to +100 °C

Nominal Weight 27.5 g (0.97 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

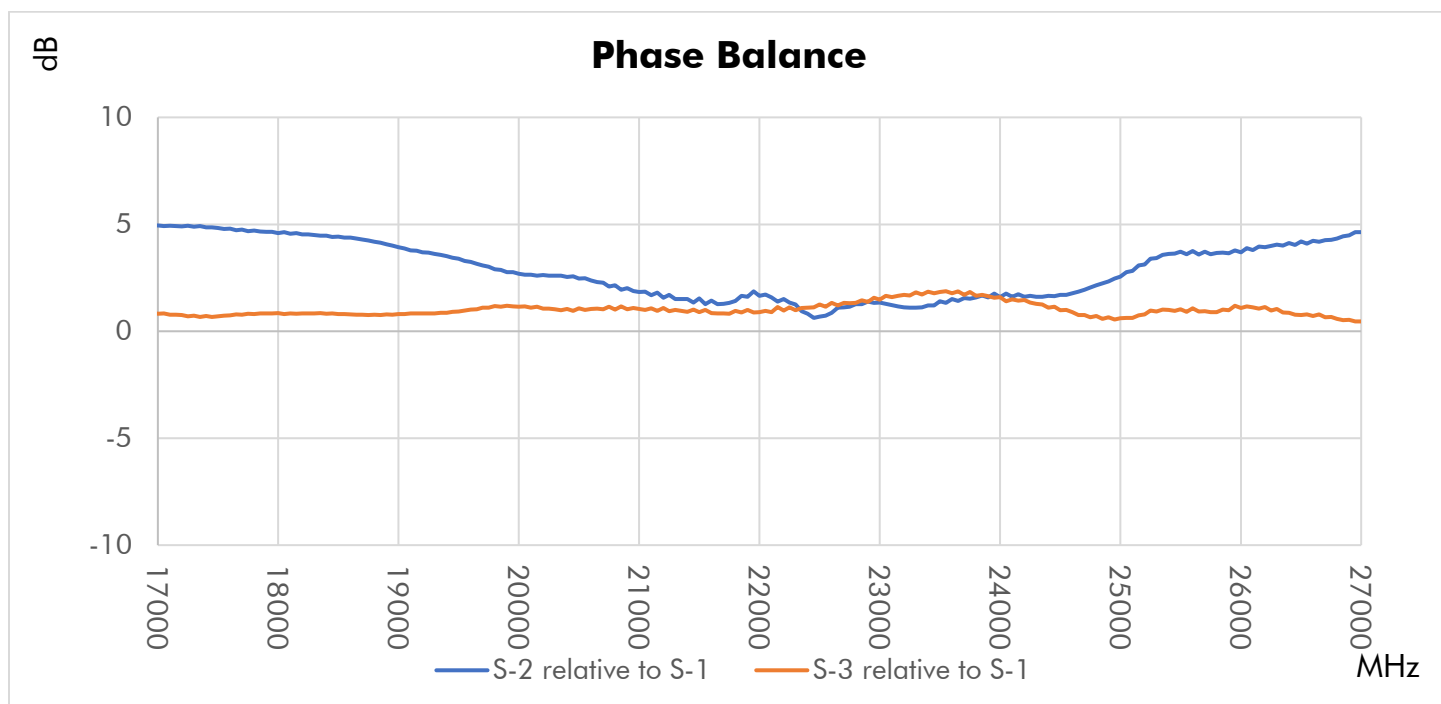
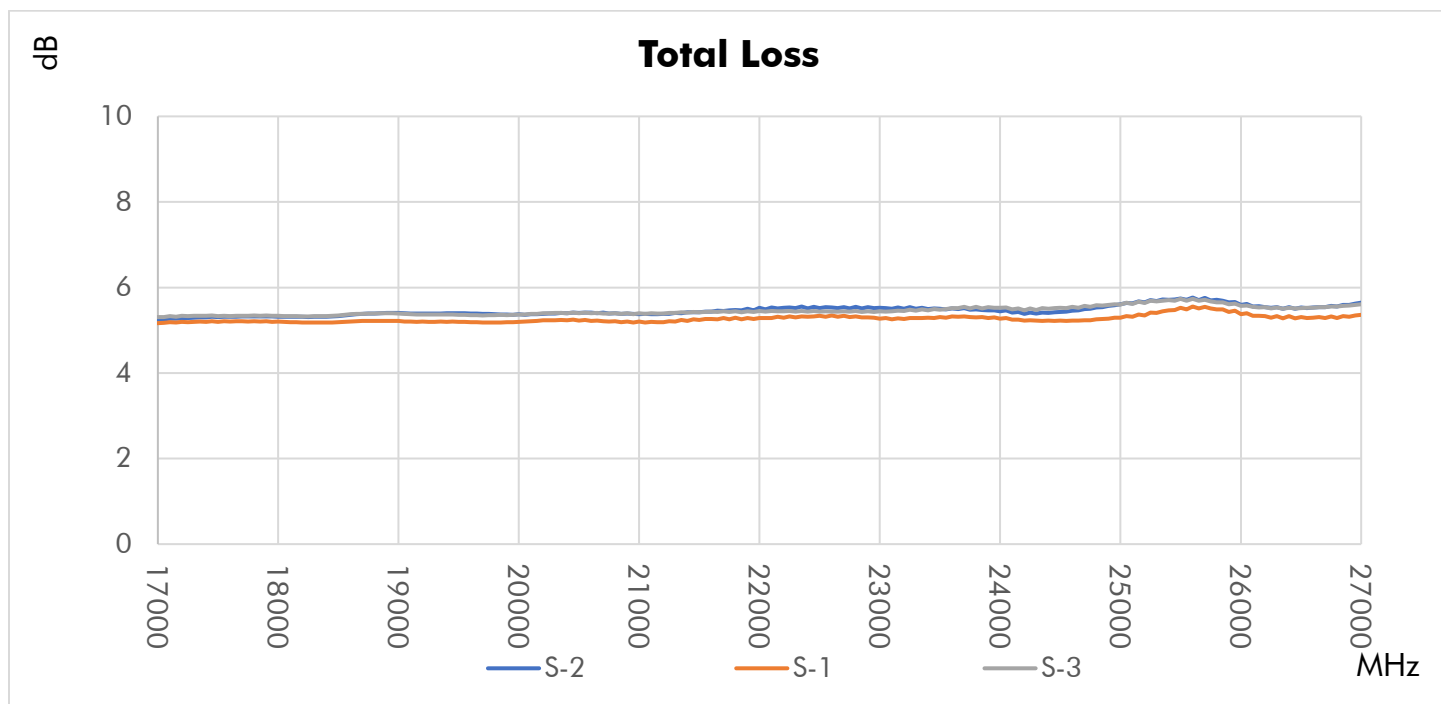
Virgin PTFE

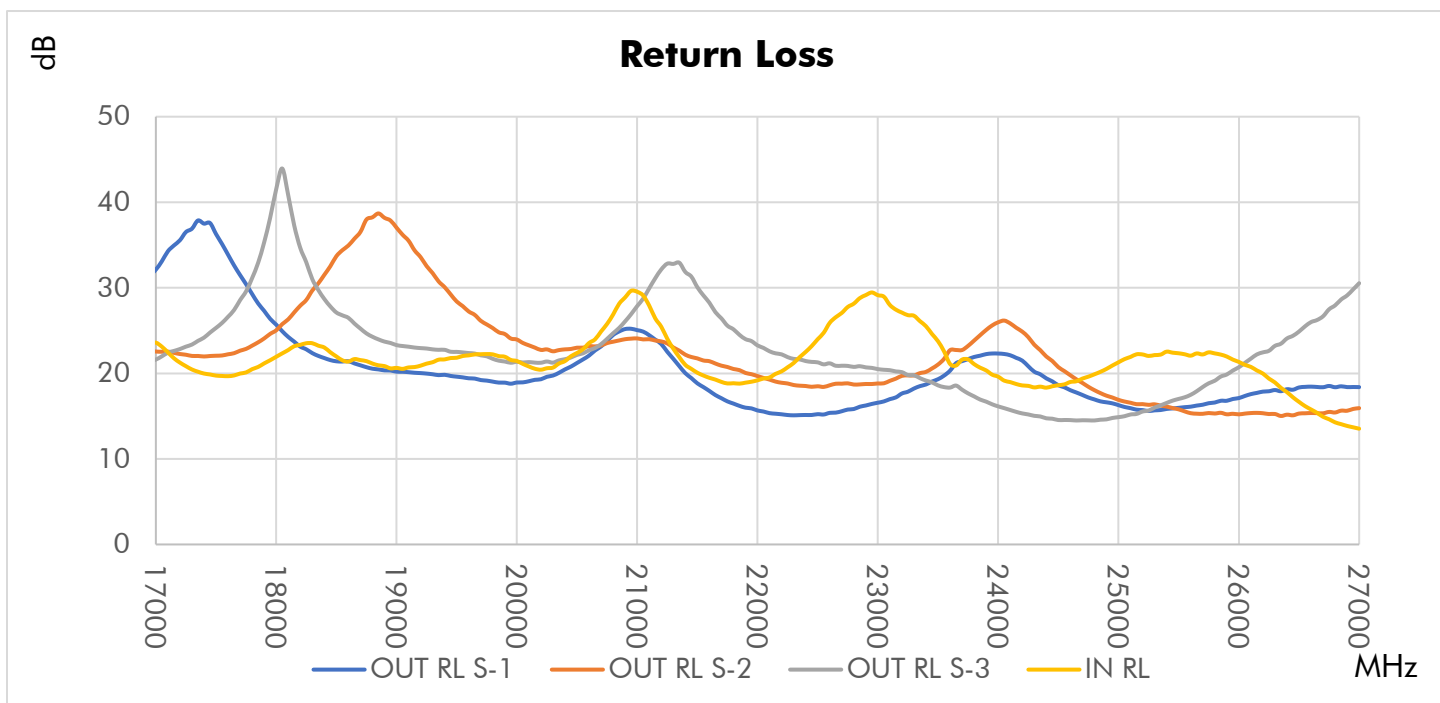
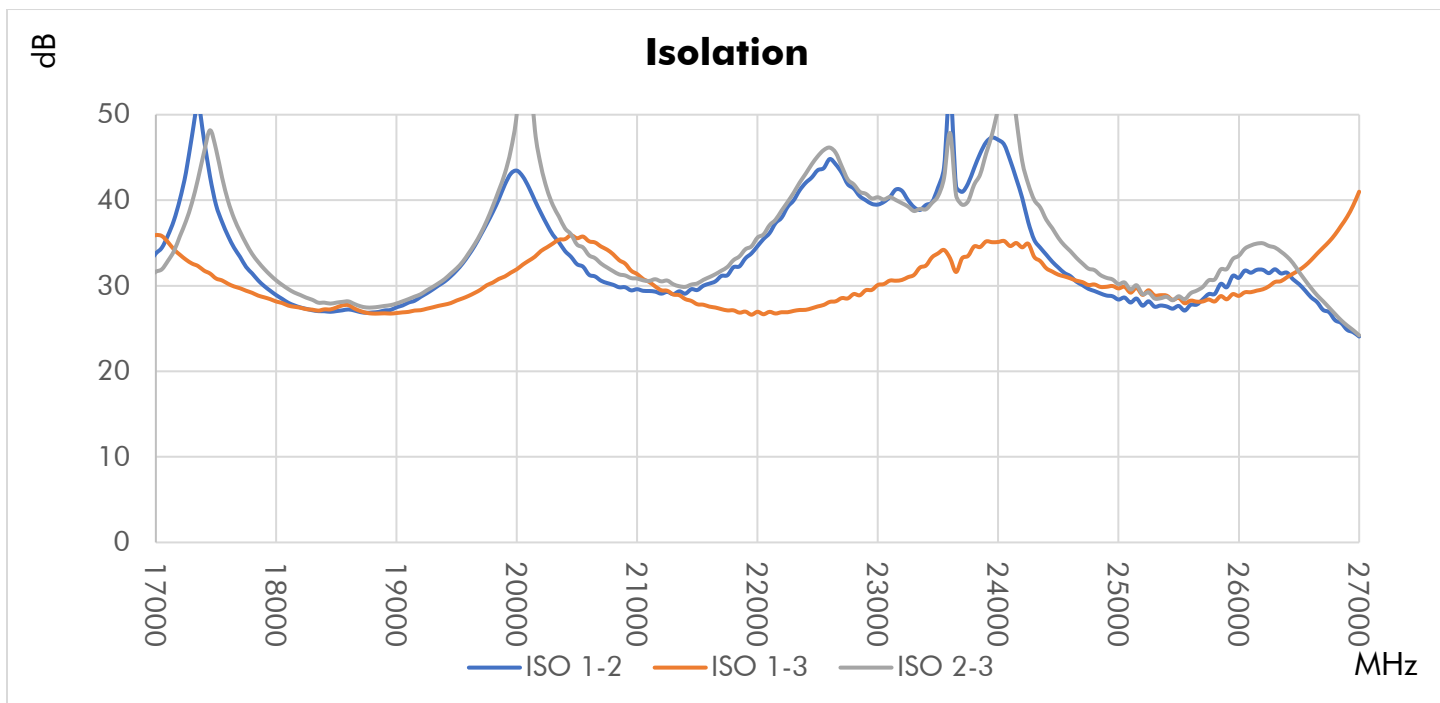
Green Paint

United States of America

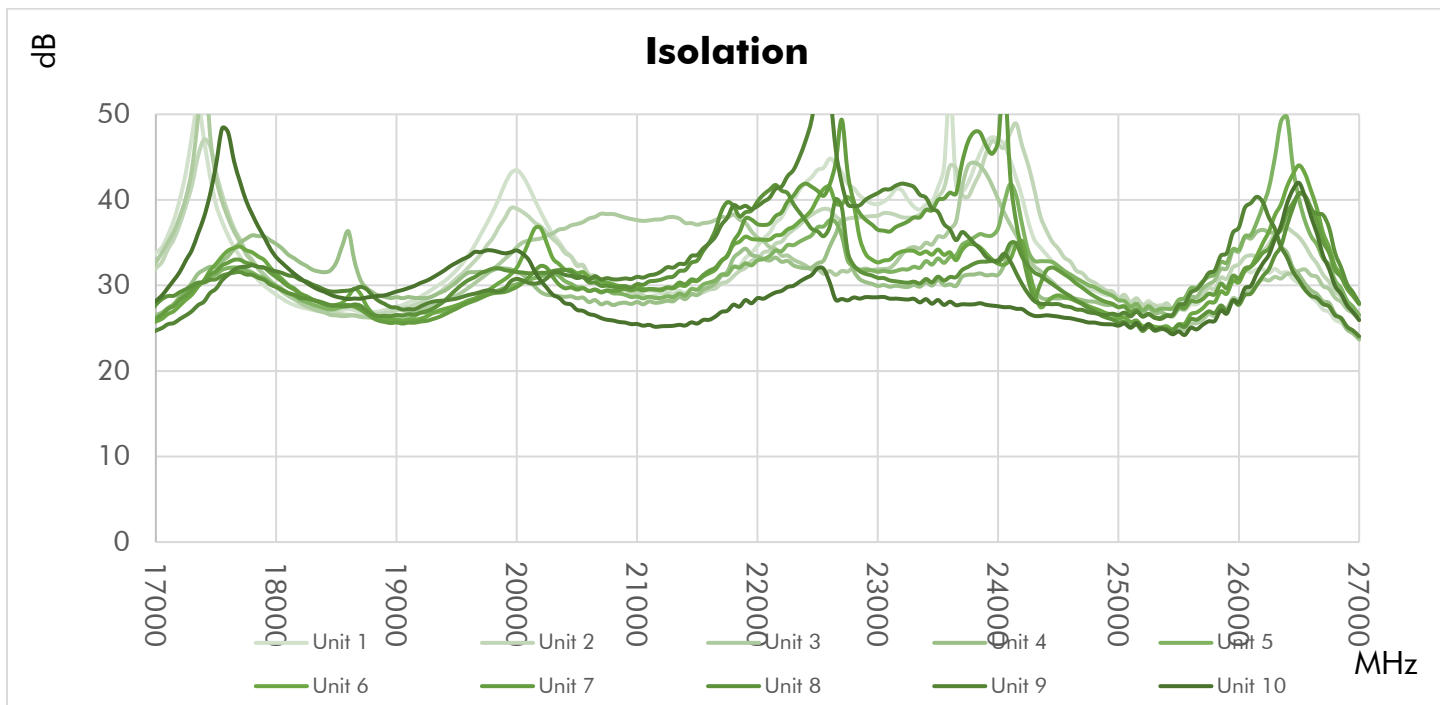
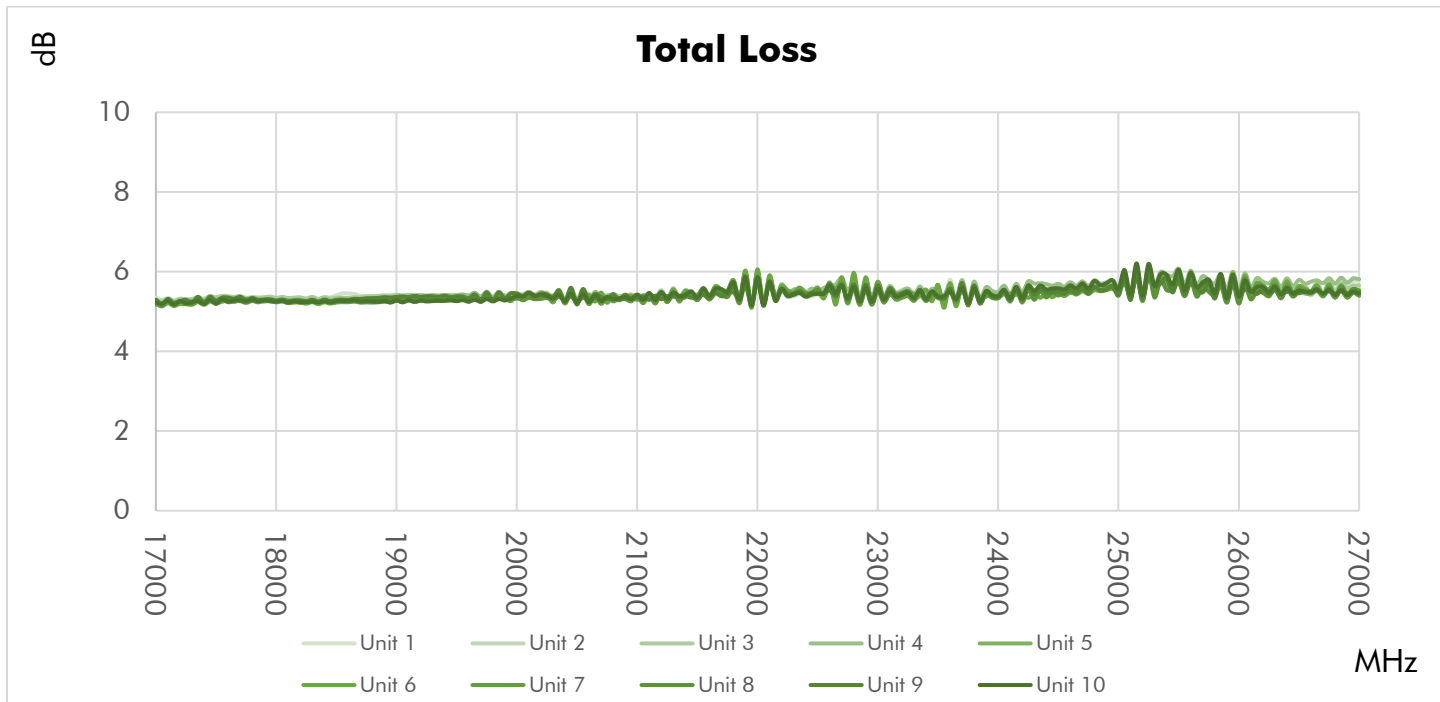
1. With reference to average.
2. All output ports should be terminated in a 50-ohm load with 1.2:1 max VSWR.
3. Electrical specifications are tested at +25 °C.
4. To the best of our knowledge at the time of publication.

Typical Performance at +25 °C





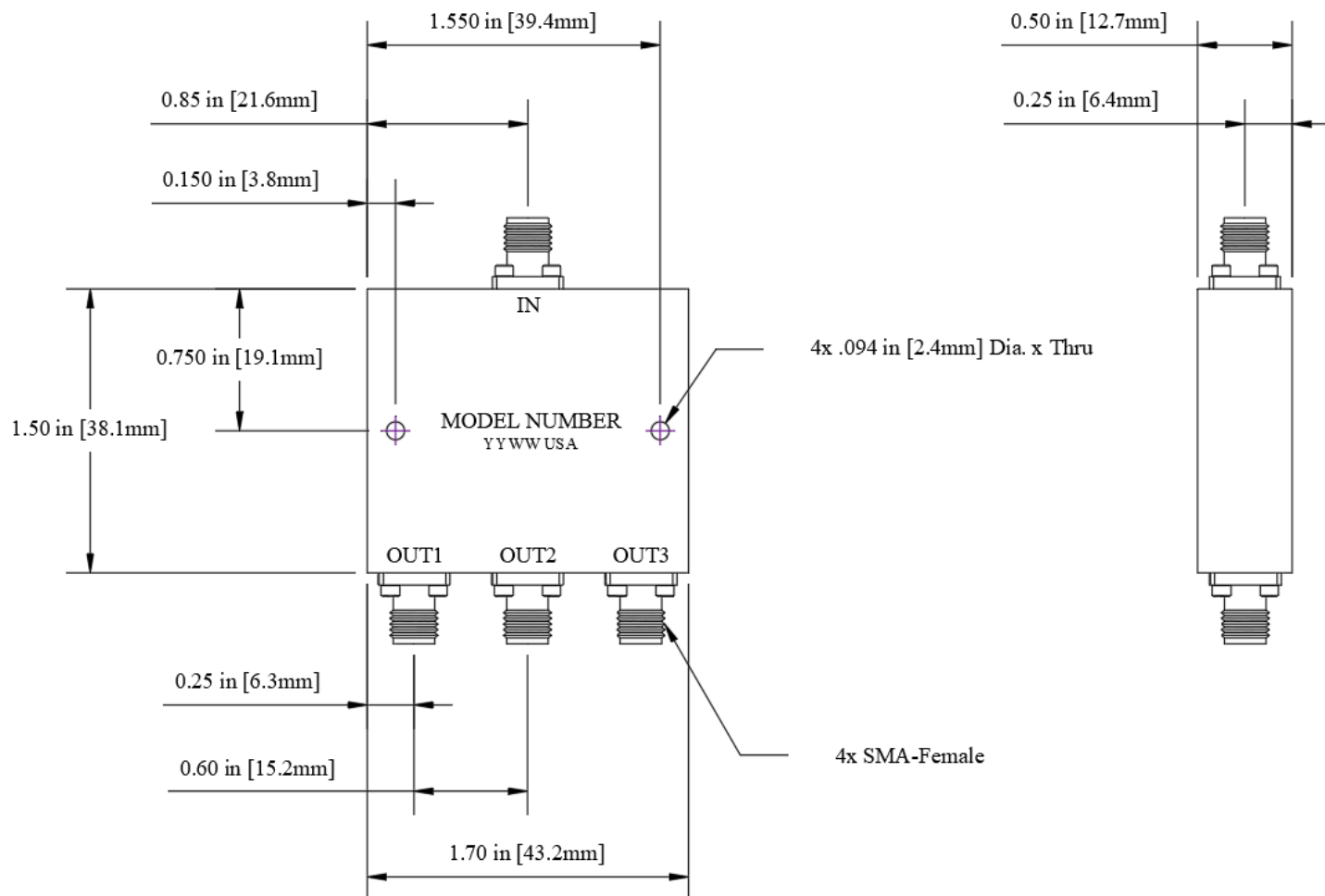
Repeatability in Production



Typical Performance Data

Frequency (MHz)	Return Loss (dB)				Total Loss (dB)			Isolation (dB)		
	Port S	Port 1	Port 2	Port 3	S-1	S-2	S-3	1-2	1-3	2-3
1000	6.16	8.32	8.82	8.42	6.11	6.08	6.08	7.44	7.11	7.41
2000	7.20	11.56	12.23	11.26	5.93	5.89	5.97	10.11	10.28	10.31
3000	9.29	15.30	14.38	14.96	5.61	5.18	5.64	12.28	13.43	12.92
4000	9.52	15.42	16.42	15.59	5.72	5.36	5.70	14.49	16.46	14.96
5000	10.45	12.86	17.86	12.73	5.14	5.45	5.16	17.40	18.99	17.14
6000	12.23	12.10	17.91	12.08	5.46	5.35	5.47	20.57	23.38	20.52
7000	13.41	11.80	15.79	11.78	5.80	5.30	5.83	23.78	28.10	23.89
8000	11.45	9.67	15.67	9.79	5.61	5.33	5.61	27.72	36.05	27.10
9000	10.93	9.88	19.20	9.75	5.51	5.37	5.54	28.47	35.53	28.02
10000	10.39	11.94	14.62	11.17	5.54	5.70	5.60	24.36	26.92	24.94
11000	7.62	9.49	10.21	9.75	6.46	6.53	6.42	20.97	26.15	21.00
12000	8.92	12.12	11.19	12.07	5.54	5.61	5.54	18.56	25.63	18.22
13000	12.32	20.47	13.39	17.13	5.30	5.51	5.33	18.33	25.50	17.81
14000	14.21	21.28	17.11	20.15	5.37	5.37	5.43	20.08	26.86	19.60
15000	17.76	28.00	27.22	30.07	5.24	5.18	5.26	24.19	32.89	23.31
16000	19.57	26.88	22.45	21.11	5.19	5.09	5.19	24.96	43.43	24.09
17000	23.59	32.12	22.55	21.61	5.35	5.27	5.43	33.78	35.93	31.64
18000	21.94	25.69	25.03	41.52	5.30	5.17	5.31	28.91	28.16	30.63
19000	20.64	20.20	37.03	23.30	5.40	5.23	5.39	27.49	26.81	27.93
20000	21.44	18.93	23.95	21.35	5.47	5.27	5.39	43.46	31.93	50.22
21000	29.54	25.05	24.08	27.86	5.33	5.26	5.43	29.60	31.37	30.85
22000	19.19	15.66	19.68	23.27	5.96	5.32	5.61	34.63	26.96	35.64
23000	29.14	16.57	18.82	20.49	5.71	5.26	5.61	39.49	30.09	40.35
24000	19.61	22.32	25.97	16.14	5.35	5.20	5.43	47.06	35.12	50.89
25000	21.29	16.28	16.90	14.88	5.64	5.24	5.47	28.39	29.69	30.20
26000	21.34	17.11	15.21	20.71	5.23	4.98	5.41	30.93	28.82	33.51
27000	13.53	18.39	15.93	30.54	5.79	5.47	5.65	24.07	41.00	24.20

Outline Dimensions



Outline drawing: OL-03-1826

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

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

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