

Power Divider, 4-way, 2-26.5GHz, SMA Female

WM4PD-2-26.5-S



Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		2000		26500	MHz
Impedance			50		Ω
Return Loss (Port S)	2000-8000	12	14		dB
	8000-18000	12	15		
	18000-26500	12	14		
Return Loss (Ports 1-4)	2000-8000	14	18		dB
	8000-18000	14	19		
	18000-26500	14	20		
Insertion Loss Above 6.0dB	2000-8000		0.5	1.5	dB
	8000-18000		0.9	2.4	
	18000-26500		1.4	3.0	
Isolation	2000-8000	16	19		dB
	8000-18000	14	19		
	18000-26500	14	16		
Amplitude Unbalance ($\pm$) ¹	2000-8000		0.17	0.4	dB
	8000-18000		0.23	0.6	
	18000-26500		0.50	0.8	
Phase Unbalance ($\pm$) ¹	2000-8000		2	4	Degrees
	8000-18000		5	8	
	18000-26500		7	10	
Input Power (CW) ²			10		W, max

Connector Interface SMA-Female

Operating Temperature³ -55 to +85 °C

Storage Temperature -55 to +100 °C

Nominal Weight 152 g (5.36 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

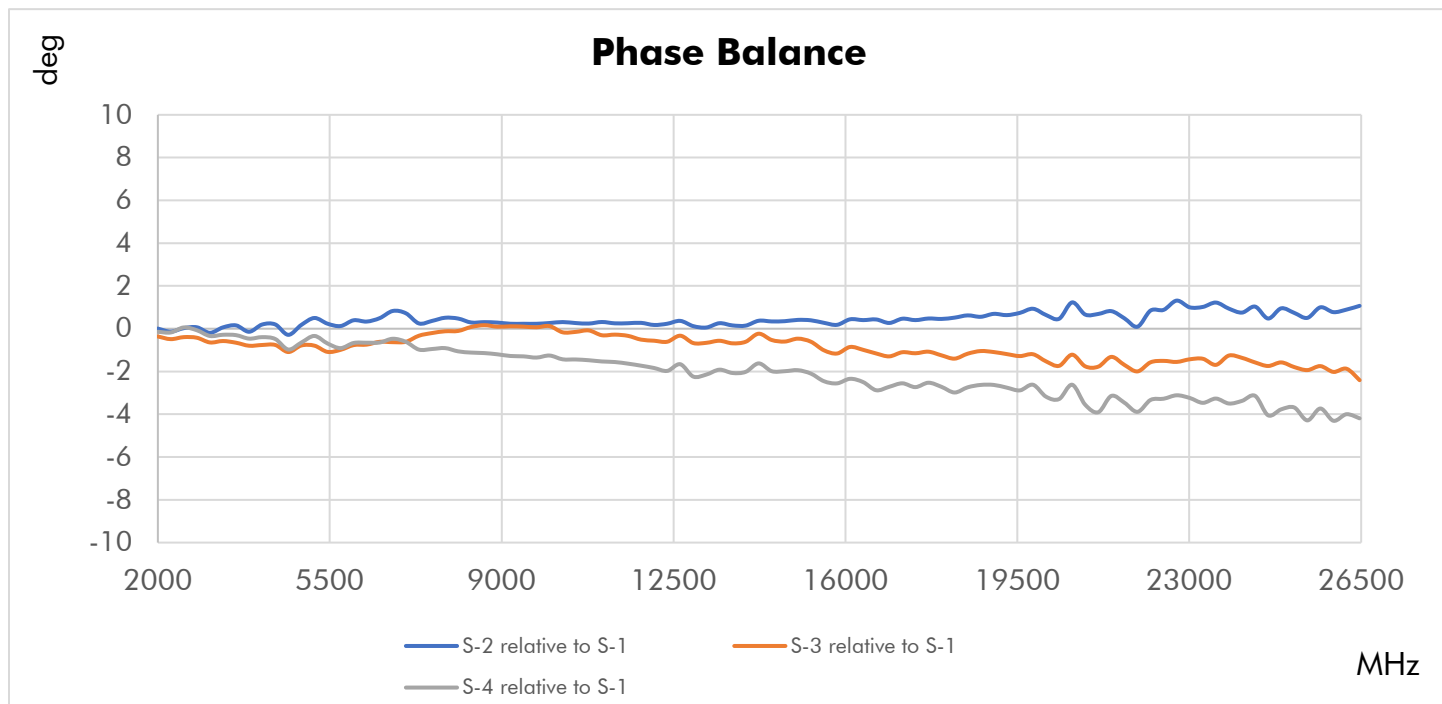
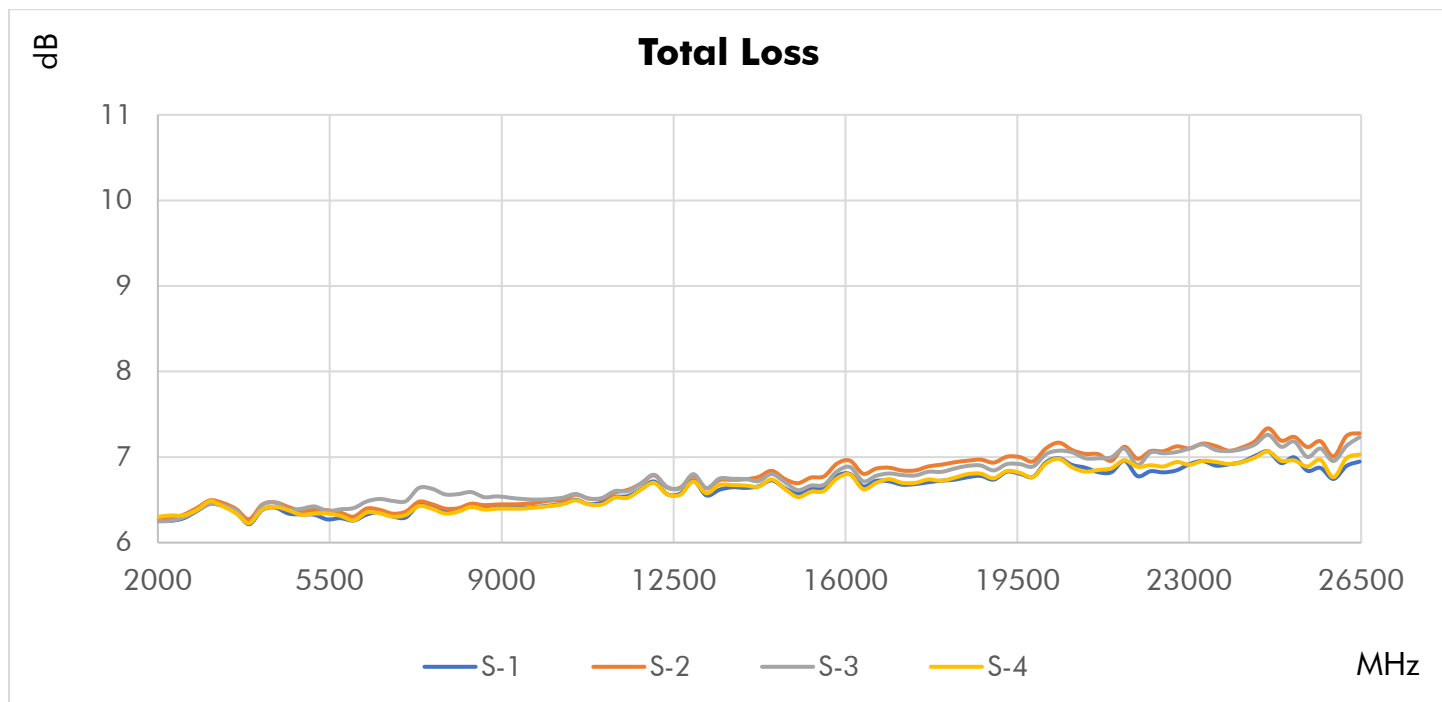
Virgin PTFE

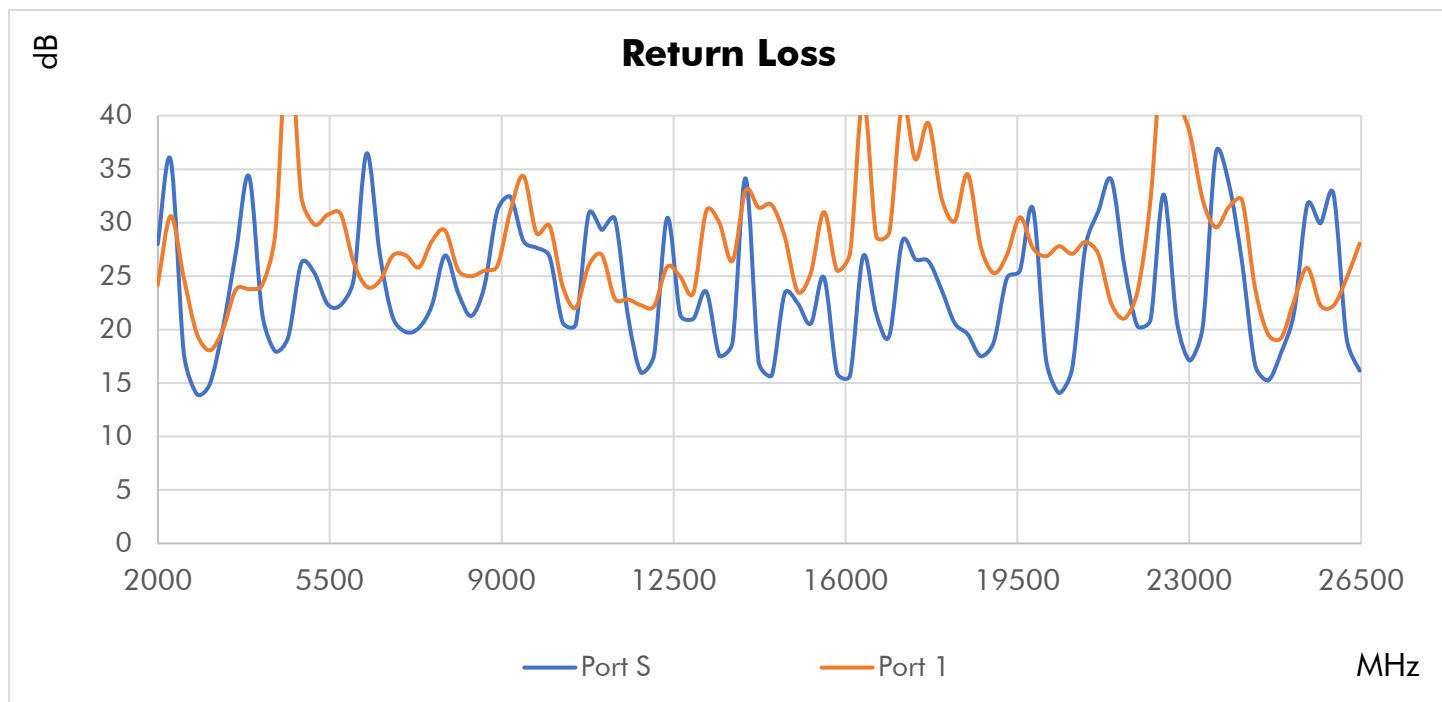
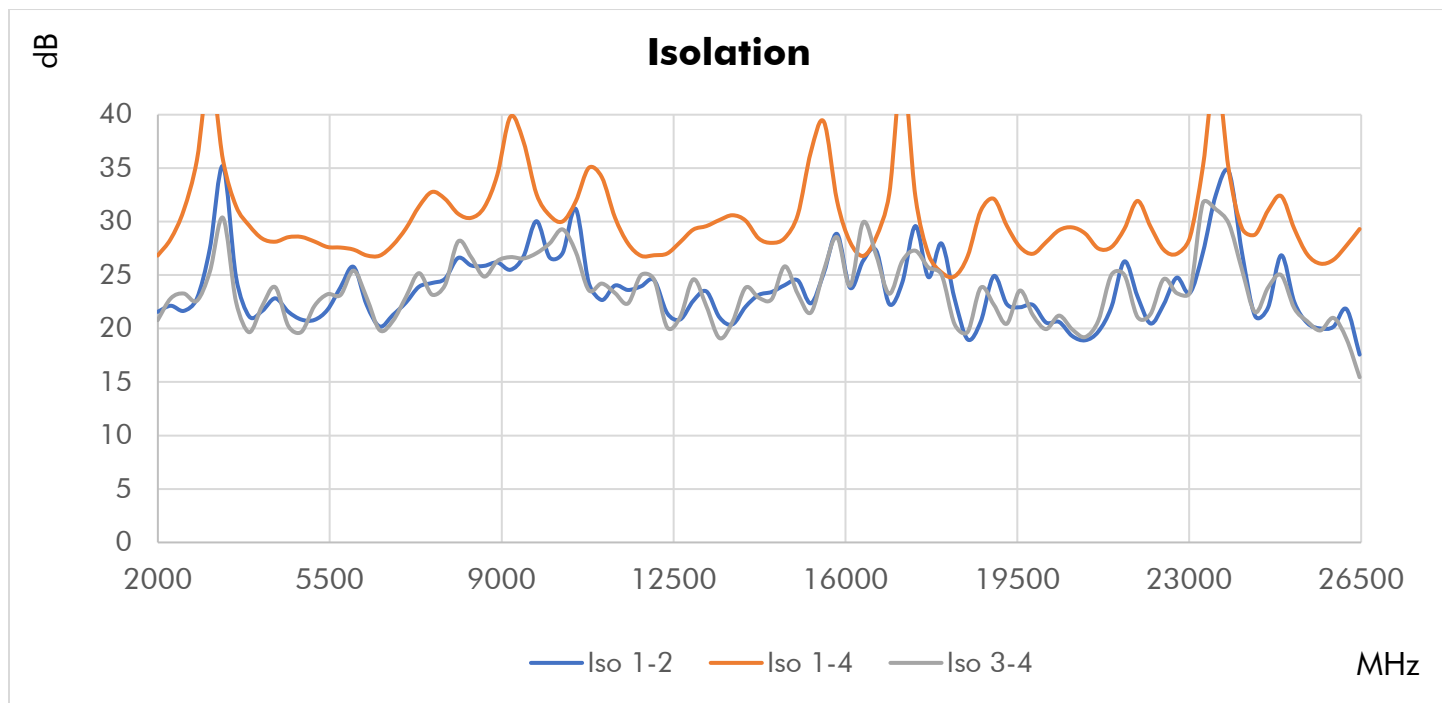
Green Paint

United States of America

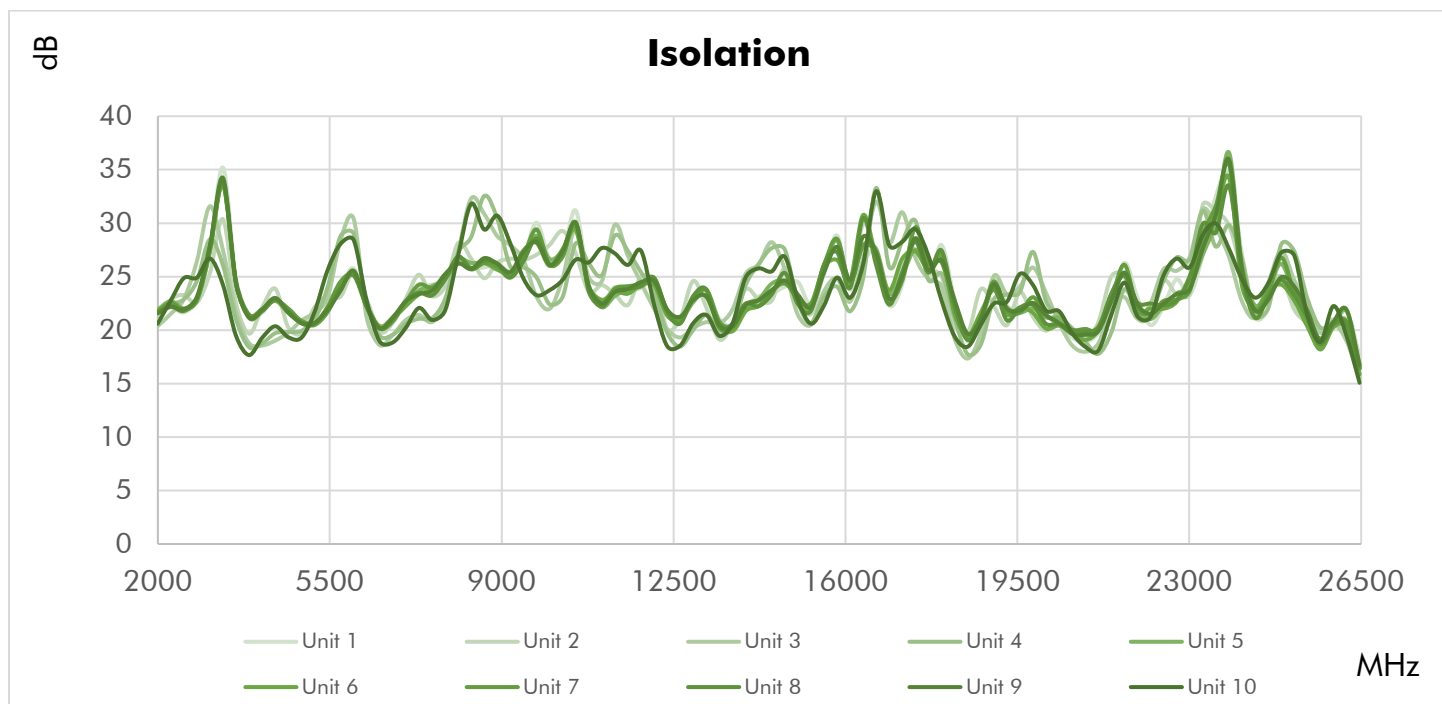
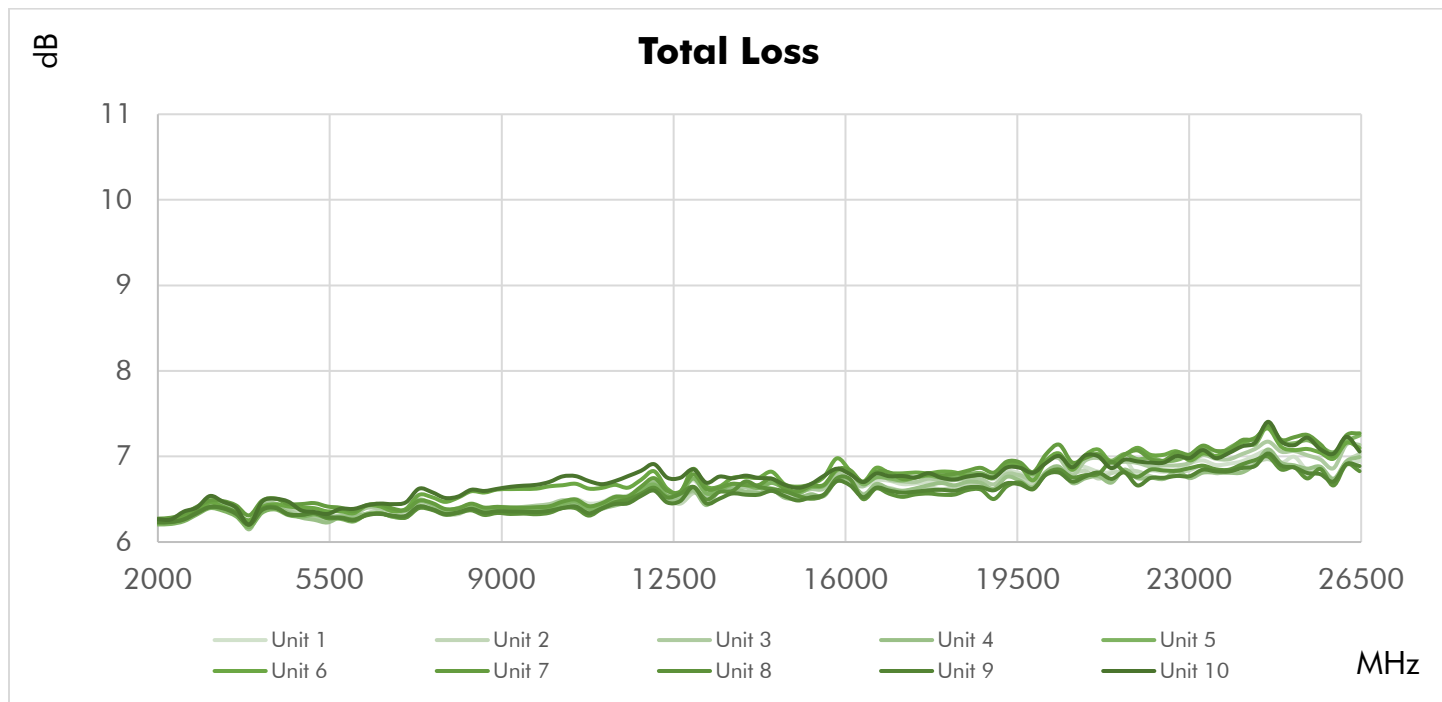
1. With reference to average.
2. All output ports should be terminated in a 50-ohm load with 1.2:1 max VSWR.
3. Electrical specifications at +25 °C.
4. To the best of our knowledge at the time of publication.

Typical Performance at +25 °C





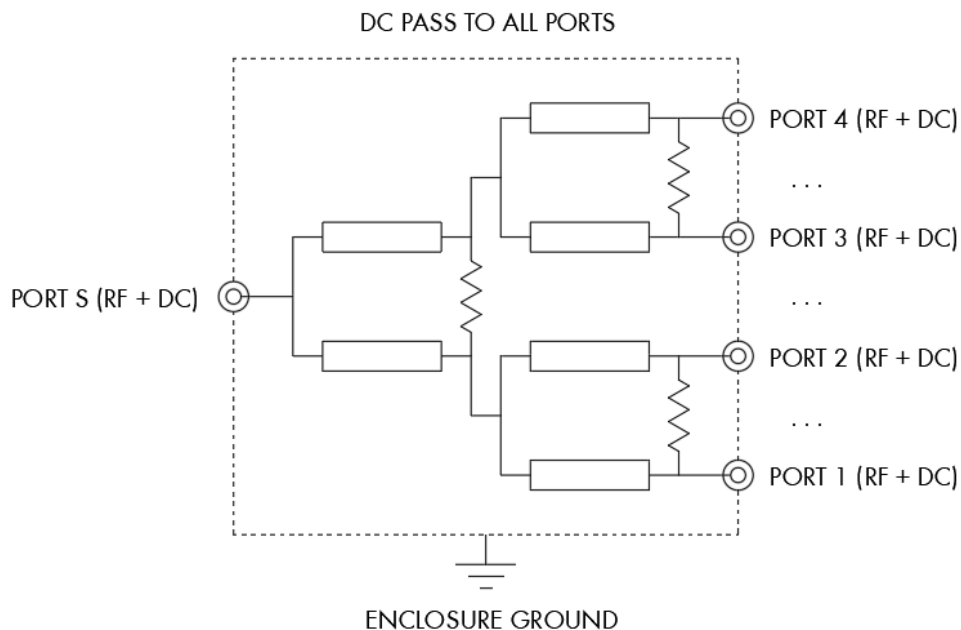
Repeatability in Production



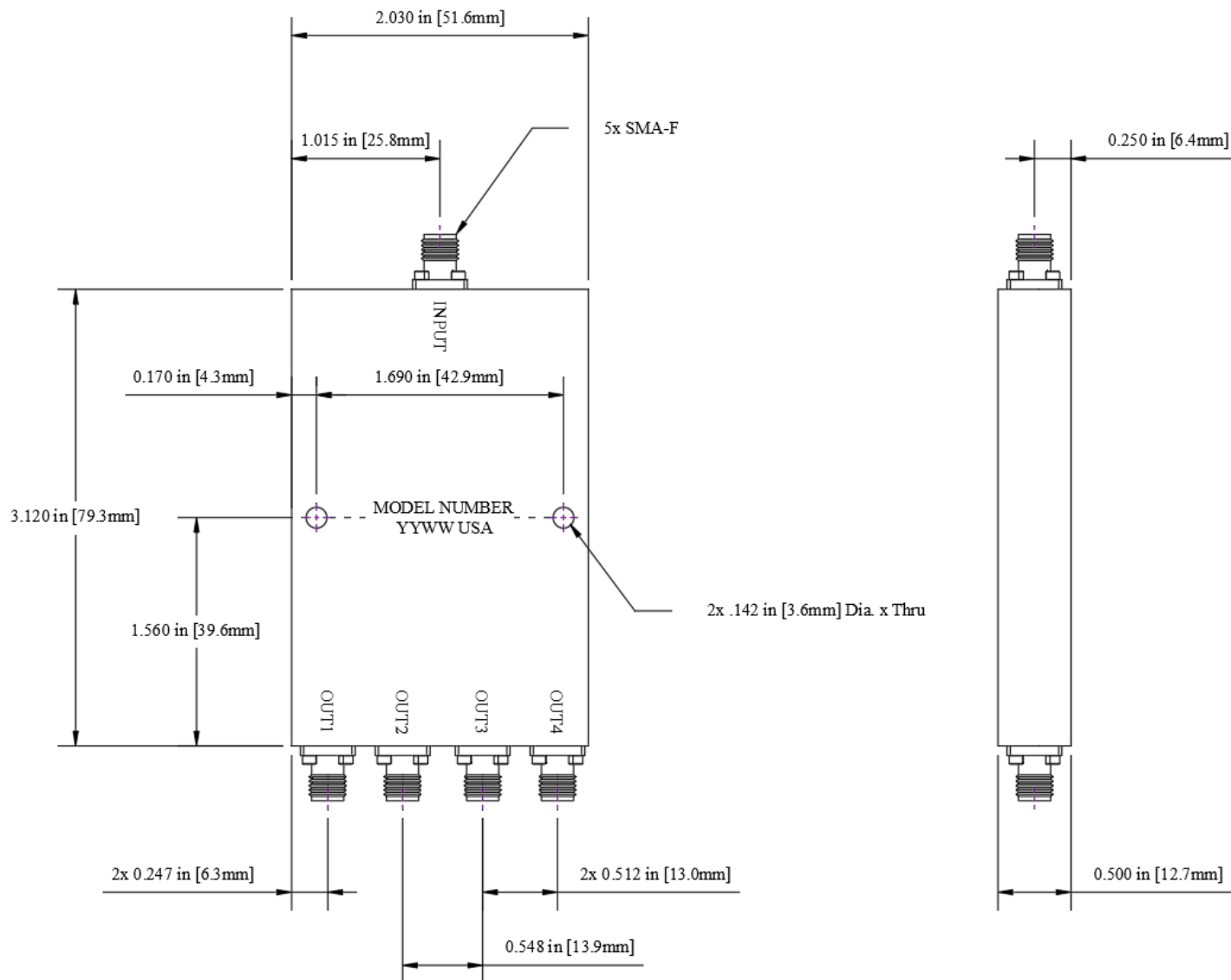
Typical Performance Data

Frequency (MHz)	Return Loss (dB)			Total Loss (dB)		Isolation (dB)	
	Port S	Port 1	Port 4	S-1	S-4	1-2	1-4
2000	27.74	28.37	28.84	6.25	6.26	21.27	26.94
2500	18.08	28.29	30.60	6.38	6.36	23.79	28.97
3000	14.62	18.14	18.61	6.27	6.24	23.19	37.96
3500	26.34	27.21	25.81	6.30	6.30	25.10	27.96
4000	26.26	23.60	22.93	6.37	6.35	20.47	24.57
4500	18.84	27.77	27.46	6.32	6.30	23.14	25.02
5000	30.05	36.86	32.95	6.37	6.37	19.90	28.99
5500	22.00	32.45	31.82	6.33	6.32	22.32	33.25
6000	25.40	23.92	25.46	6.40	6.37	26.28	30.40
6500	30.43	25.18	25.41	6.35	6.33	20.05	27.60
7000	18.93	33.22	34.88	6.46	6.43	22.18	26.82
7500	21.39	31.11	28.85	6.48	6.46	23.68	28.15
8000	28.24	28.97	29.66	6.46	6.43	25.60	31.19
8500	21.99	26.87	25.38	6.47	6.44	25.00	35.79
9000	30.17	30.04	29.47	6.48	6.46	25.95	39.37
9500	29.21	40.43	36.02	6.51	6.48	26.38	30.78
10000	26.22	25.18	27.02	6.49	6.47	27.98	28.01
10500	20.57	23.38	24.54	6.58	6.54	27.95	30.17
11000	28.87	24.80	26.40	6.55	6.52	24.59	40.21
11500	22.04	22.14	23.22	6.56	6.51	21.55	31.55
12000	16.51	19.88	20.78	6.70	6.69	27.40	27.33
12500	26.90	23.87	24.97	6.69	6.66	19.60	26.49
13000	25.15	25.42	24.16	6.51	6.43	25.47	26.94
13500	16.07	22.00	24.35	6.82	6.76	19.40	29.35
14000	25.82	28.78	36.09	6.63	6.58	23.05	30.18
14500	16.45	26.50	32.50	6.75	6.70	22.15	29.71
15000	19.94	19.27	21.05	6.69	6.64	24.07	32.16
15500	27.05	24.45	27.28	6.67	6.59	22.64	32.00
16000	14.57	22.61	25.99	6.96	6.86	25.54	28.04
16500	24.03	26.73	28.51	6.78	6.68	31.37	29.11
17000	24.31	29.78	33.76	6.71	6.62	24.03	41.42
17500	22.61	29.37	33.87	6.73	6.65	26.14	28.50
18000	20.19	23.57	27.86	6.79	6.70	28.02	25.12
18500	23.14	24.02	26.45	6.76	6.65	19.47	26.90
19000	19.02	23.11	26.27	6.82	6.71	23.45	31.58
19500	23.02	24.08	27.49	6.80	6.70	22.73	29.99
20000	19.14	35.58	35.19	6.88	6.78	20.29	28.62
20500	16.84	30.81	29.18	6.97	6.88	21.41	27.33
21000	28.16	42.14	35.47	6.85	6.73	18.01	26.04
21500	27.56	24.35	23.57	6.81	6.78	24.23	27.07
22000	20.83	24.84	24.72	6.80	6.74	20.50	30.07
22500	44.02	35.67	32.95	6.87	6.76	23.55	32.12
23000	17.35	30.94	36.90	6.86	6.78	22.43	36.42
23500	26.36	43.64	32.94	6.93	6.84	32.41	33.74
24000	32.90	30.12	34.83	6.94	6.79	28.85	31.26
24500	13.74	21.96	22.03	7.16	7.01	22.20	35.24
25000	22.09	23.63	21.00	6.93	6.78	24.94	29.61
25500	26.71	35.94	28.99	6.92	6.71	19.61	25.72
26000	29.48	25.54	22.64	6.80	6.68	21.54	26.80
26500	15.77	22.78	24.88	6.88	6.67	16.20	24.24

Simplified Electrical Schematic



Outline Dimensions



Outline drawing: OL-4200

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

Tolerances on 2-pl decimals: $\pm .03$. 3-pl decimals: $\pm .015$.

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