

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

WM3PD-18-26.5-S



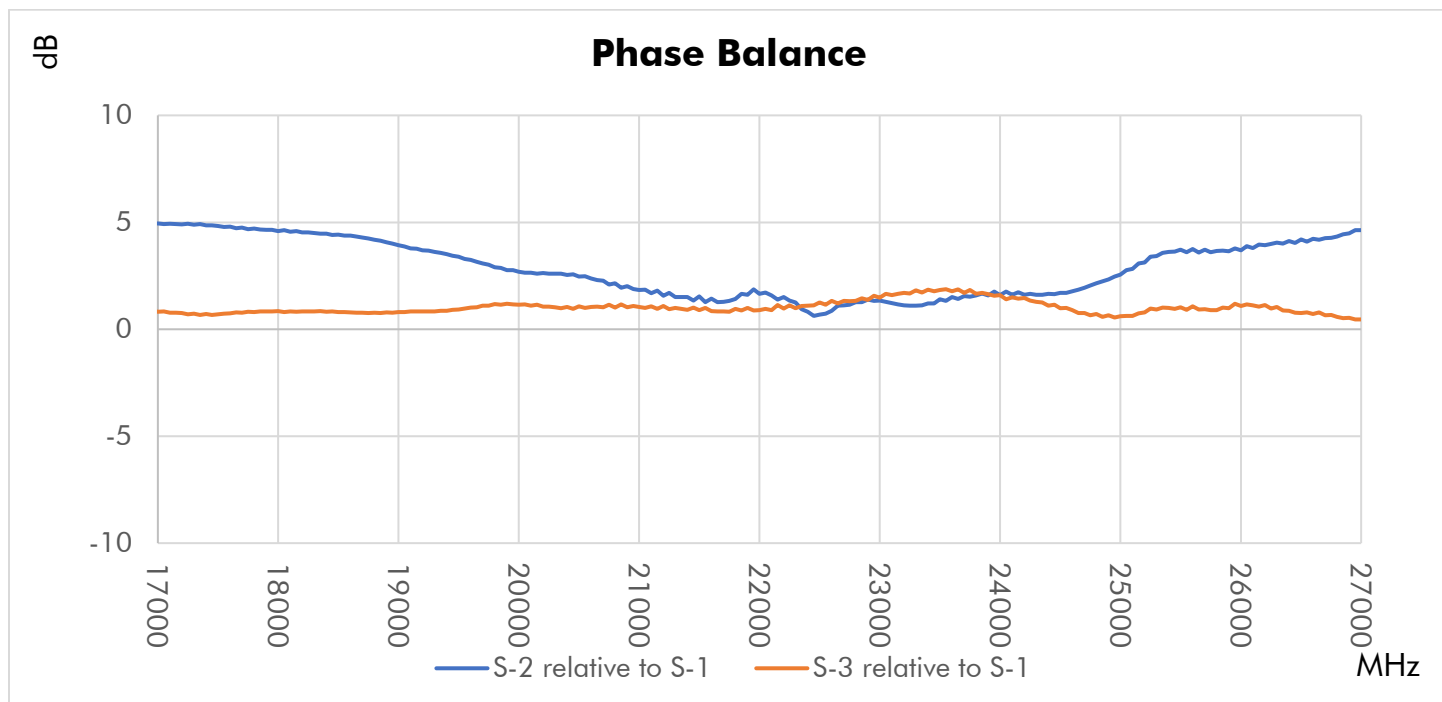
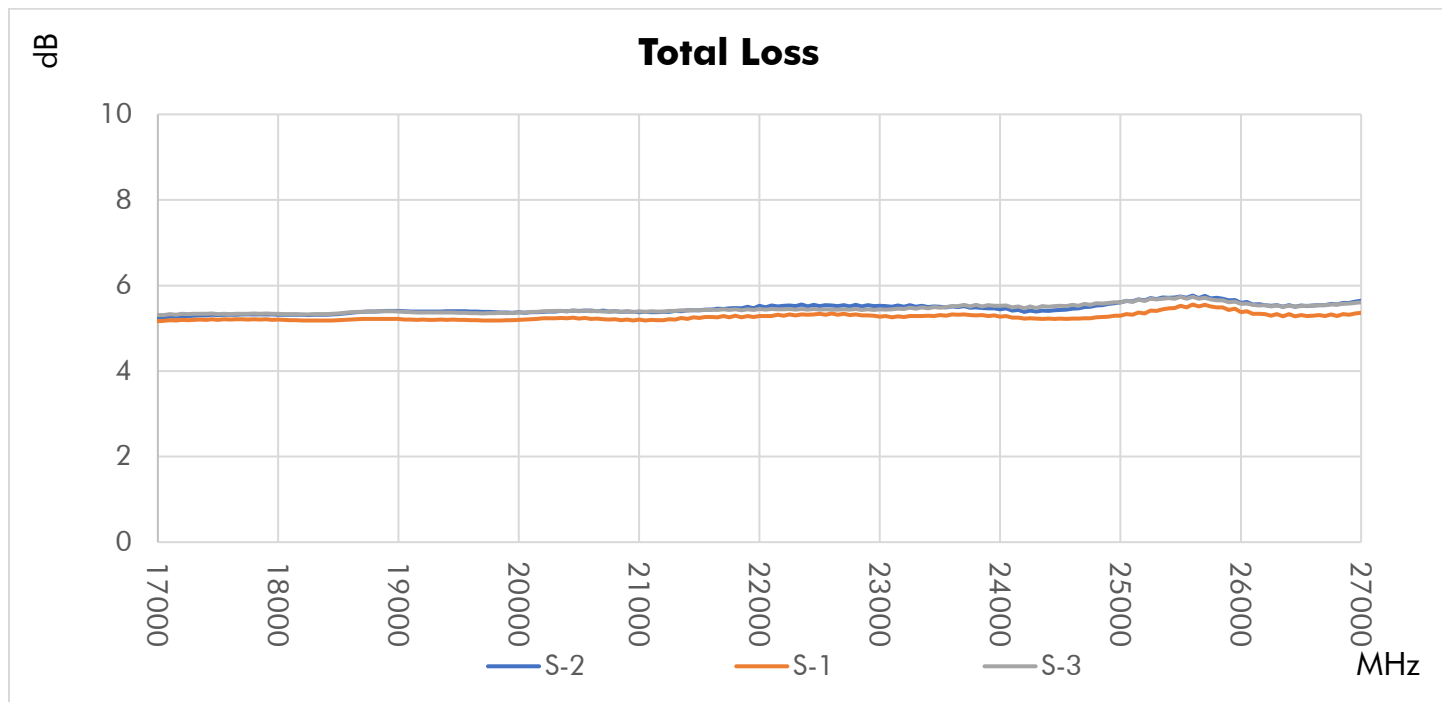
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	18000		26500	MHz
Impedance		50		Ω
Return Loss (Port S)	12.7	15.3		dB
Return Loss (Port 1-2)	12.7	16.1		dB
Insertion Loss above 4.8dB		1.11	1.70	dB
Isolation	16.0	23.9		dB
Amplitude Unbalance ($\pm$) ¹		0.57	0.90	dB
Phase Unbalance ($\pm$) ¹		2.3	5.0	Degree
Input Power (CW) ²			10	W

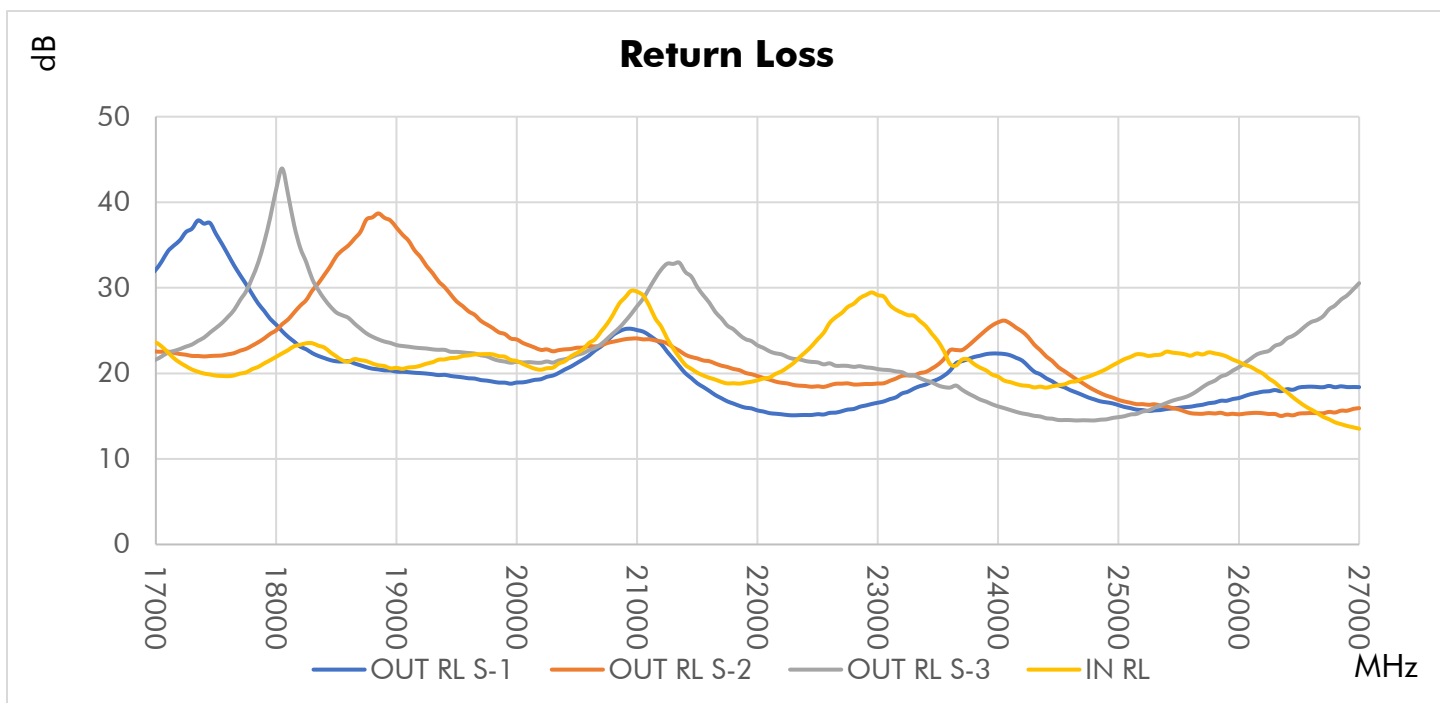
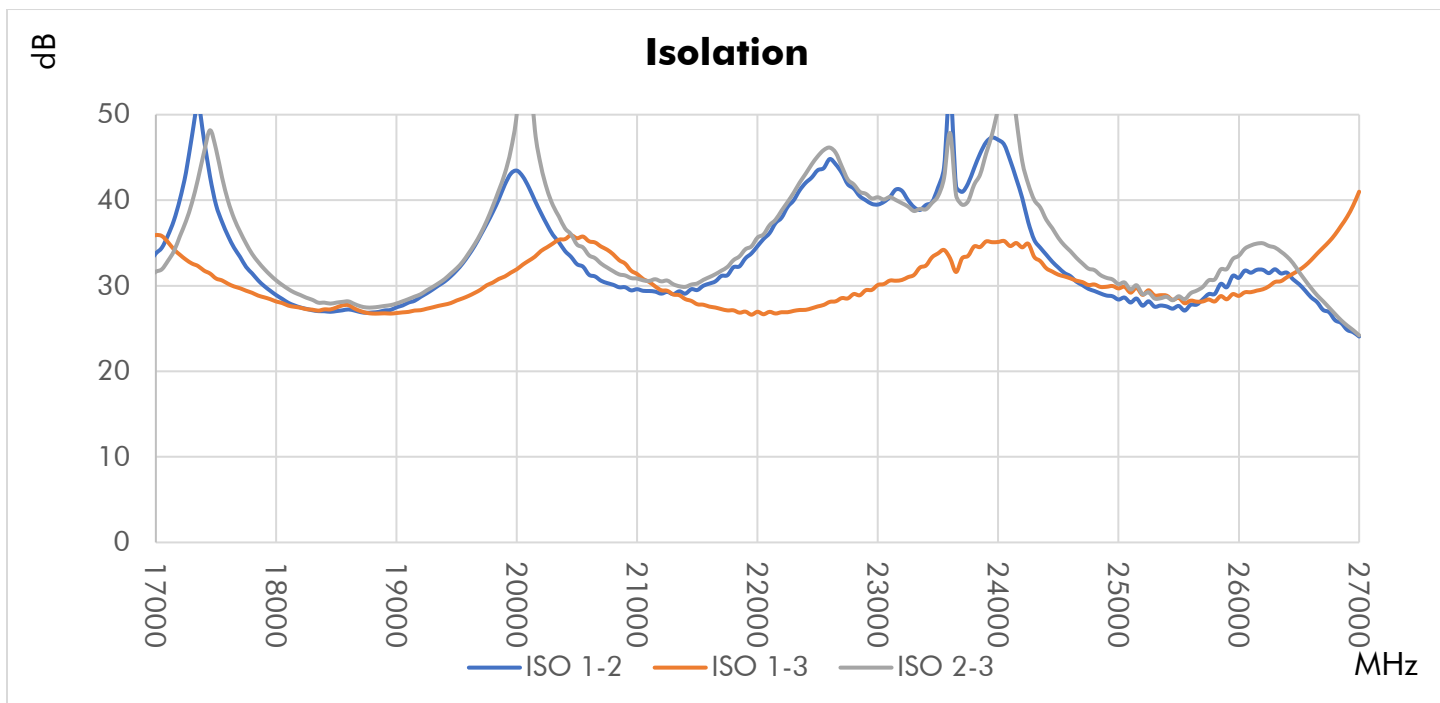
Connector Interface	SMA-Female
Operating Temperature ³	-55 to +85 °C
Storage Temperature	-55 to +100 °C
Nominal Weight	27.5 g (0.97 oz)
Operating Humidity	10-90% (non-condensing)
Operating Environment	Indoor Use Only
HTSUS Code	8548.00.0000
ECCN	EAR99

RoHS Status ⁴	RoHS3 Compliant
REACH Status ⁴	REACH Unaffected
Enclosure Material	Aluminum
Connectors Material	Stainless Steel
Contacts Material	Beryllium Copper, Gold Plated
Insulators Material	Virgin PTFE
Finish	Green Paint
Country of Origin	United States of America

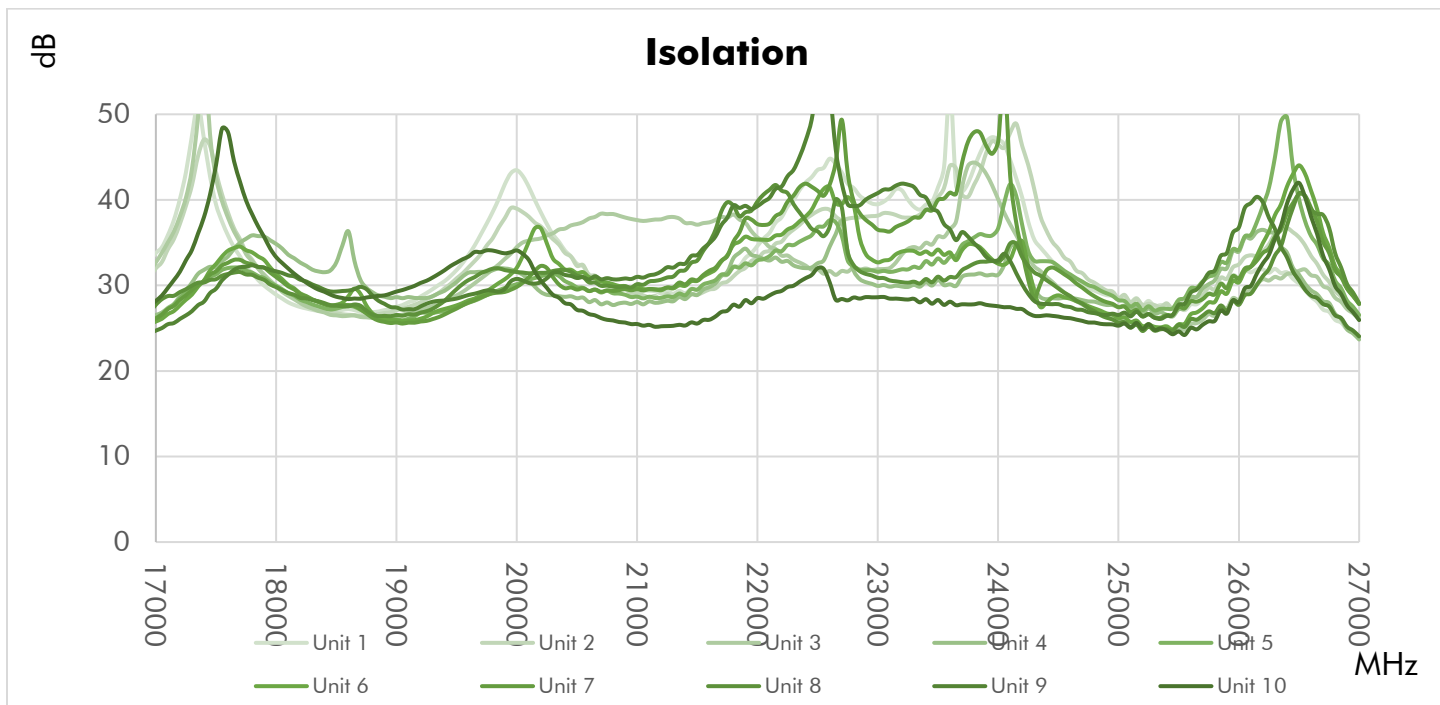
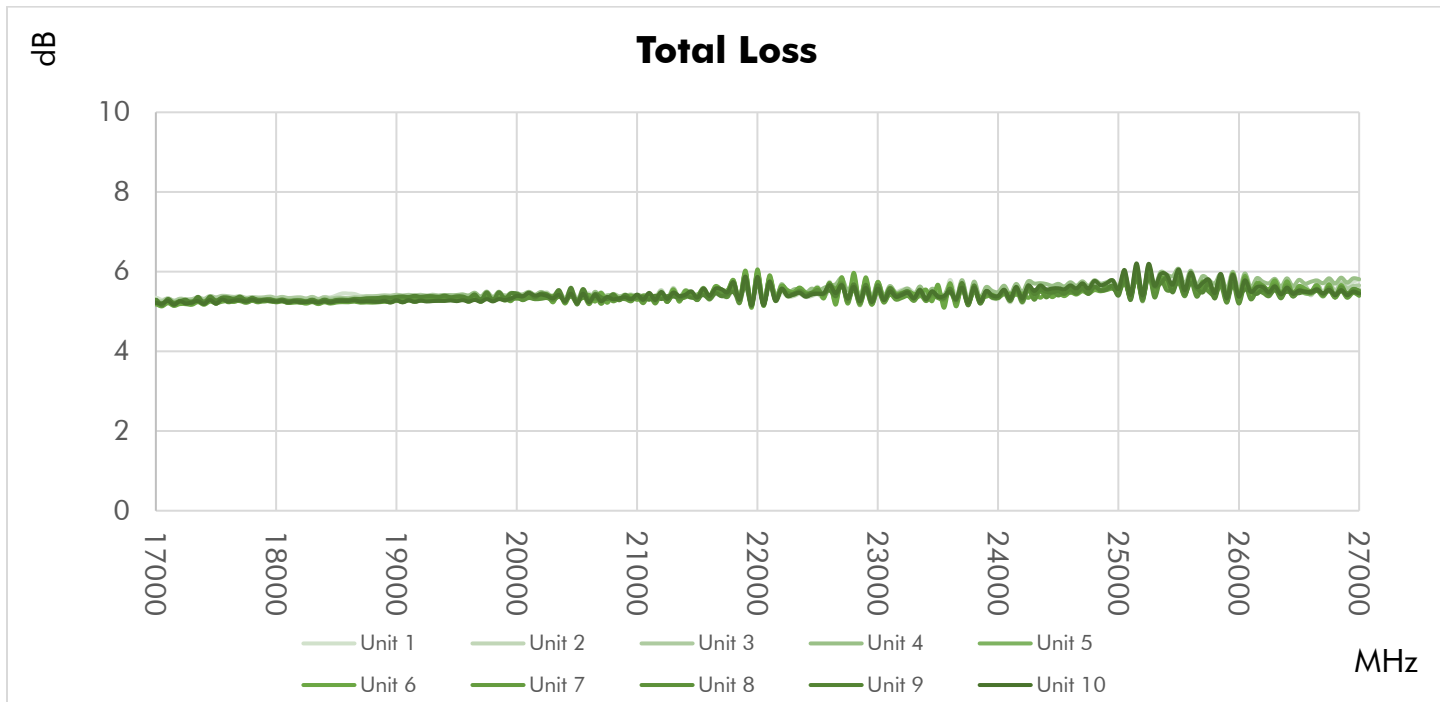
1. With reference to average.
2. All output ports should be terminated in a 50-ohm load with 1.2:1 max VSWR.
3. Electrical specifications are tested at +25 °C.
4. To the best of our knowledge at the time of publication.

Typical Performance at +25 °C





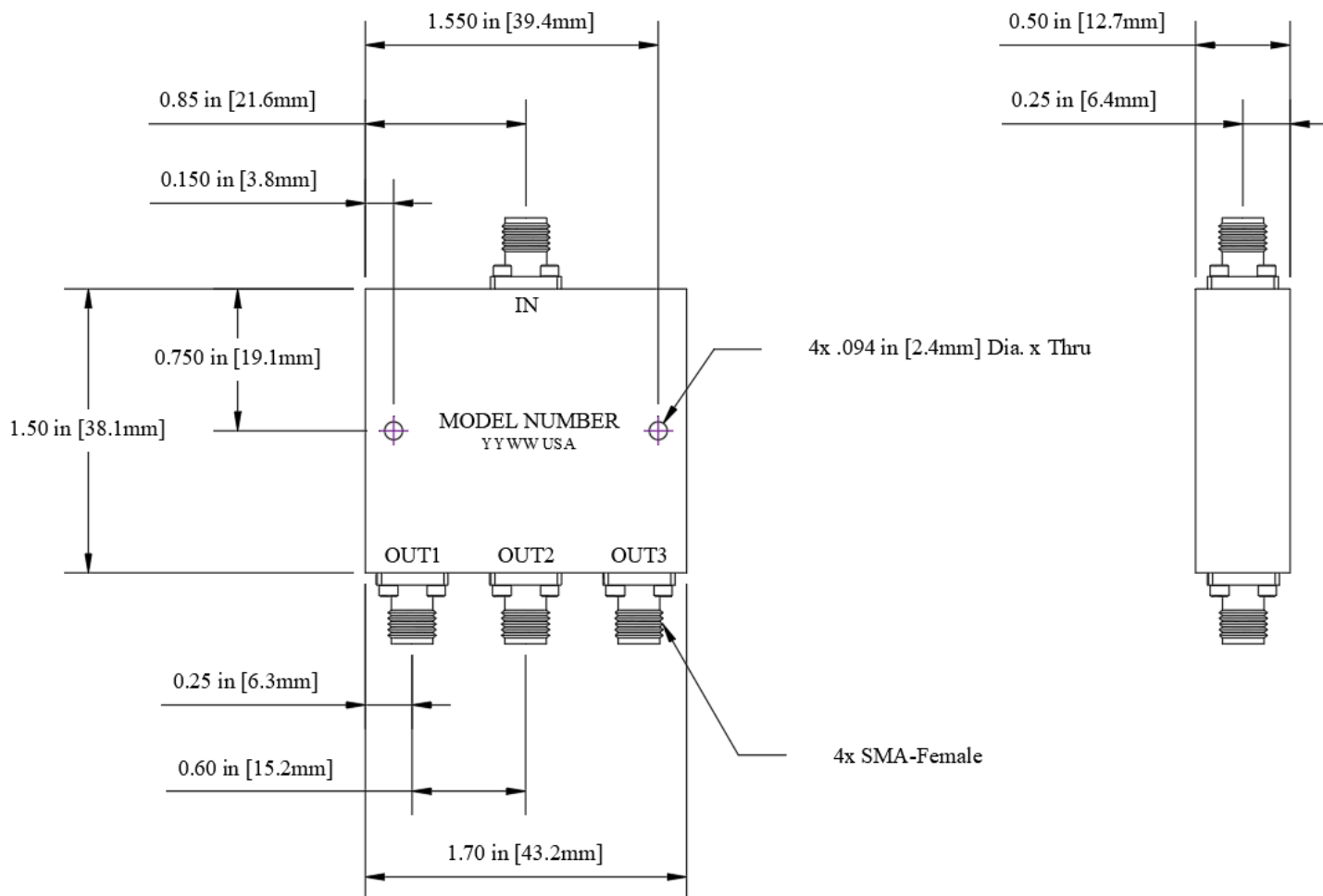
Repeatability in Production



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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