

Power Divider, 4-way, 0.6-7.4GHz, SMA Female, Front Mount

WM4PD-0.6-7.4-S1



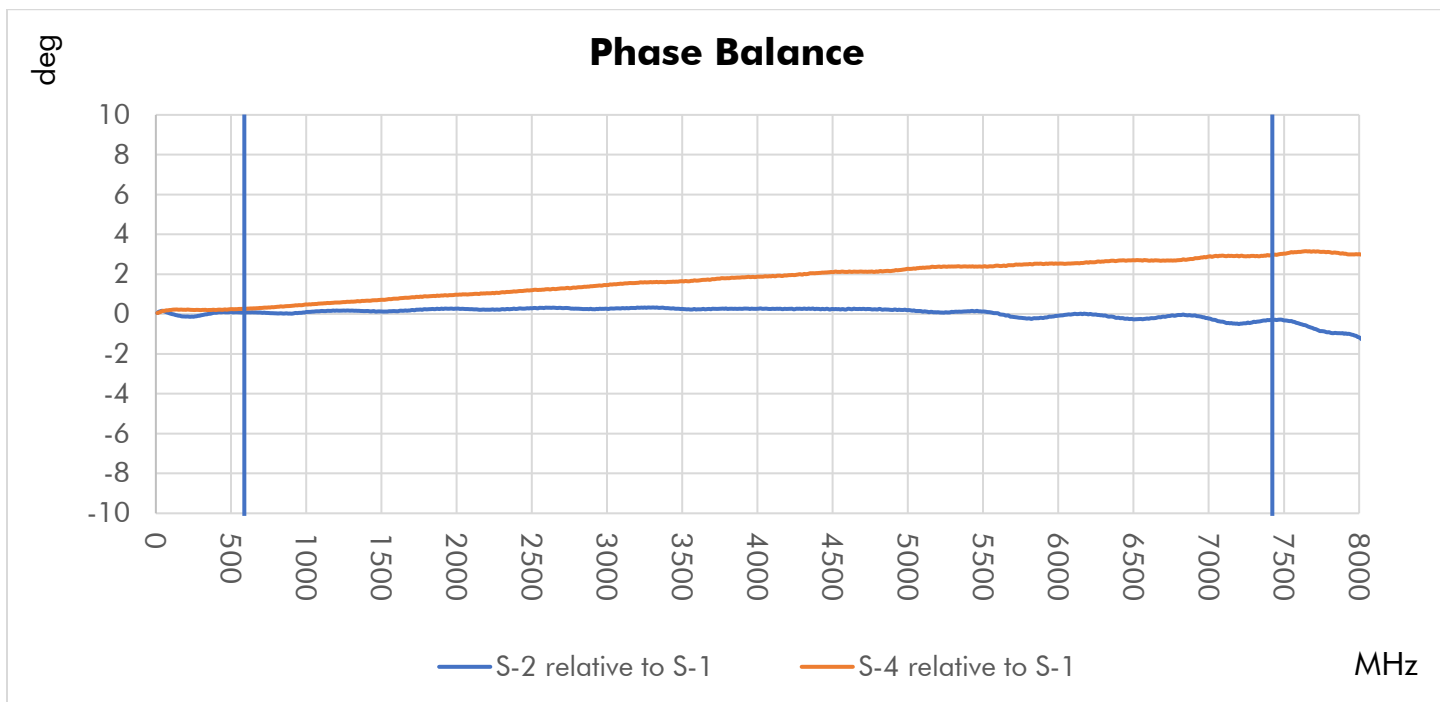
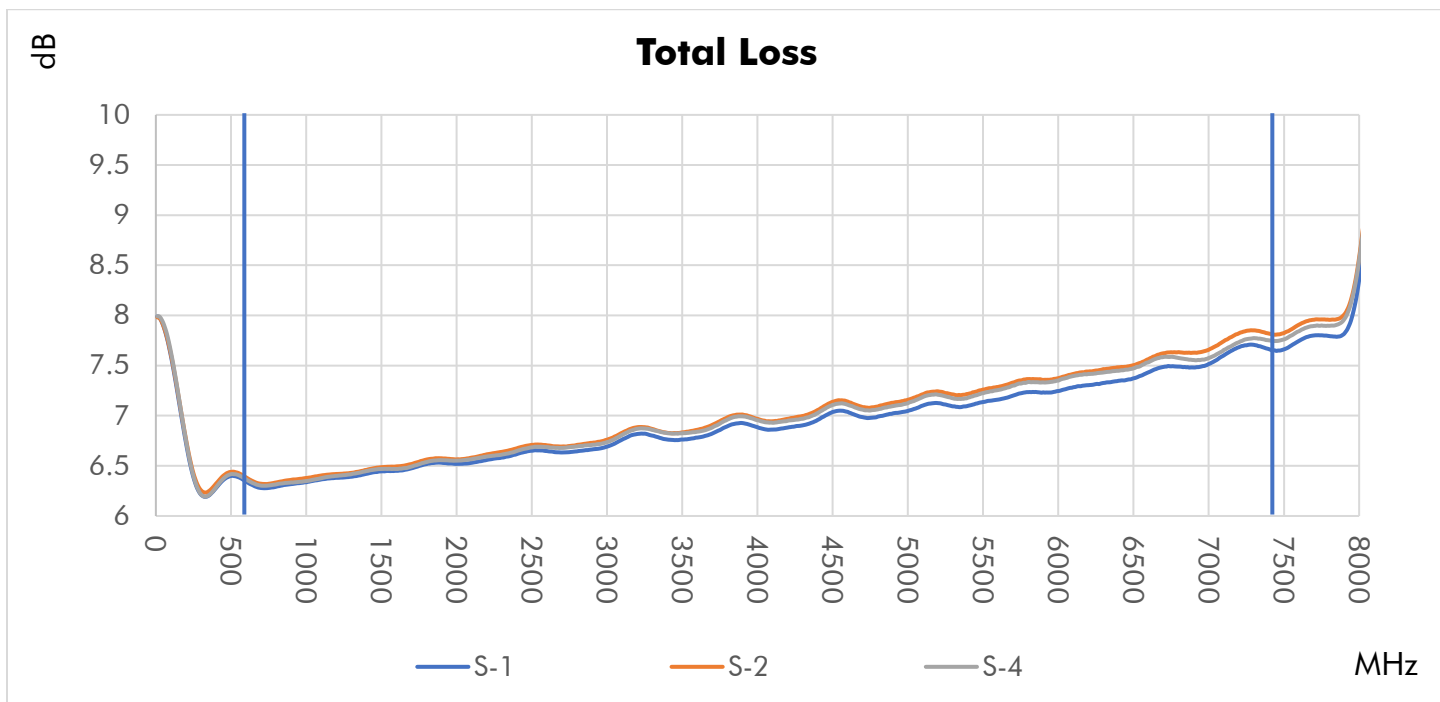
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	600	-	7400	MHz
Impedance	50			Ohm
Return Loss (Port S)	11	17		dB
Return Loss (Ports 1-4)	13	19		dB
Insertion Loss (above 6.02dB)		1.7	2.4	dB
Isolation	18	20		dB
Amplitude Balance		0.2	0.6	dB
Phase Balance		2.5	9.0	Degrees
Input Power (CW) ¹	30			Watts (CW)

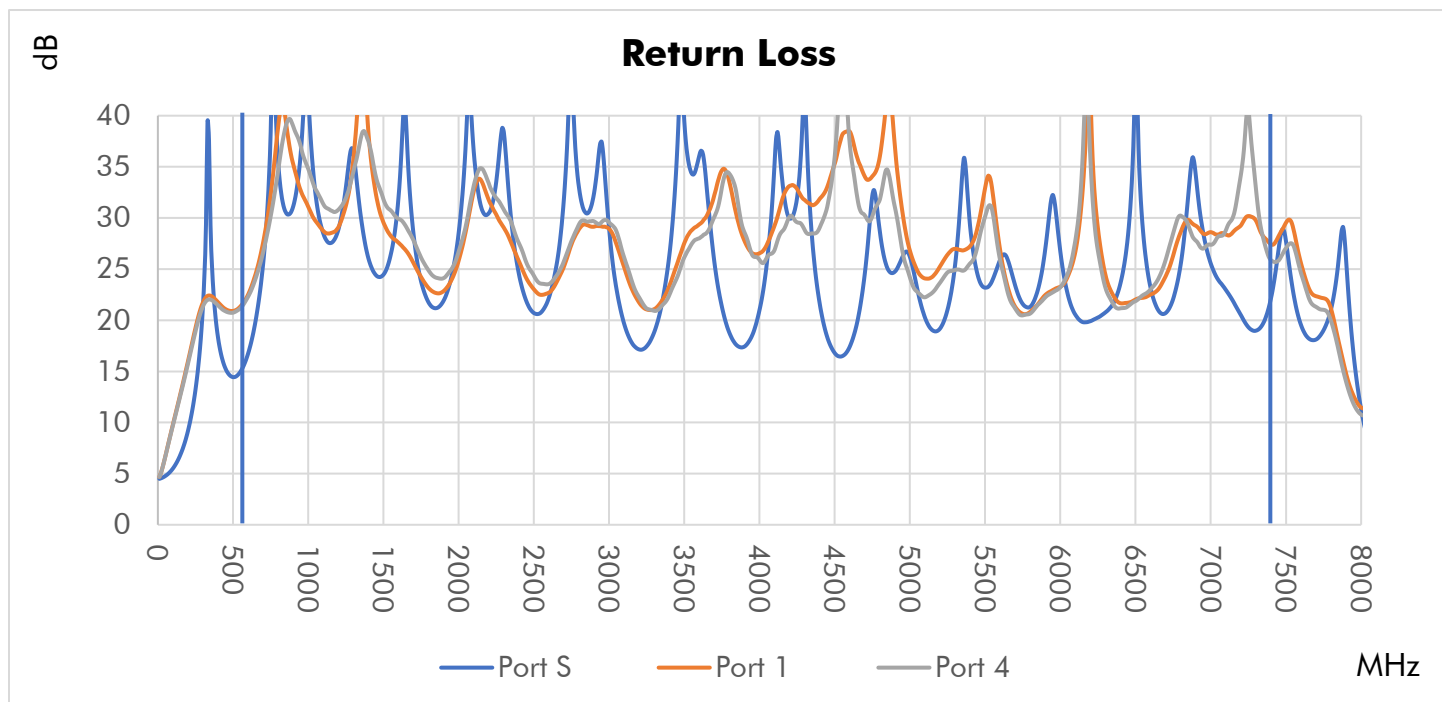
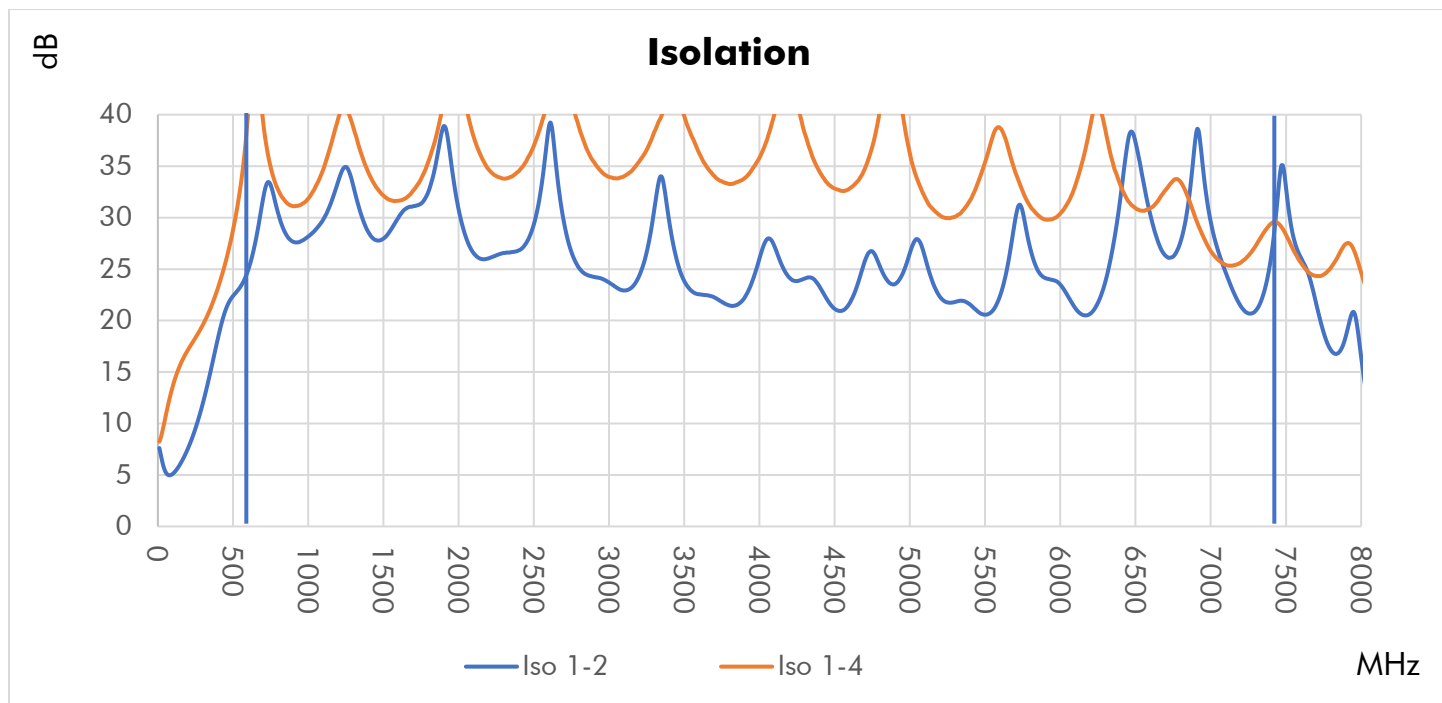
Connector Interface	SMA-Female
Operating Temperature ²	-55 to +85 °C
Storage Temperature	-55 to +100 °C
Nominal Weight	170 g (6 oz)
Operating Humidity	10-90% (non-condensing)
Operating Environment	Indoor Use Only
HTSUS Code	8548.00.0000
ECCN	EAR99

RoHS Status ³	RoHS3 Compliant
REACH Status ³	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

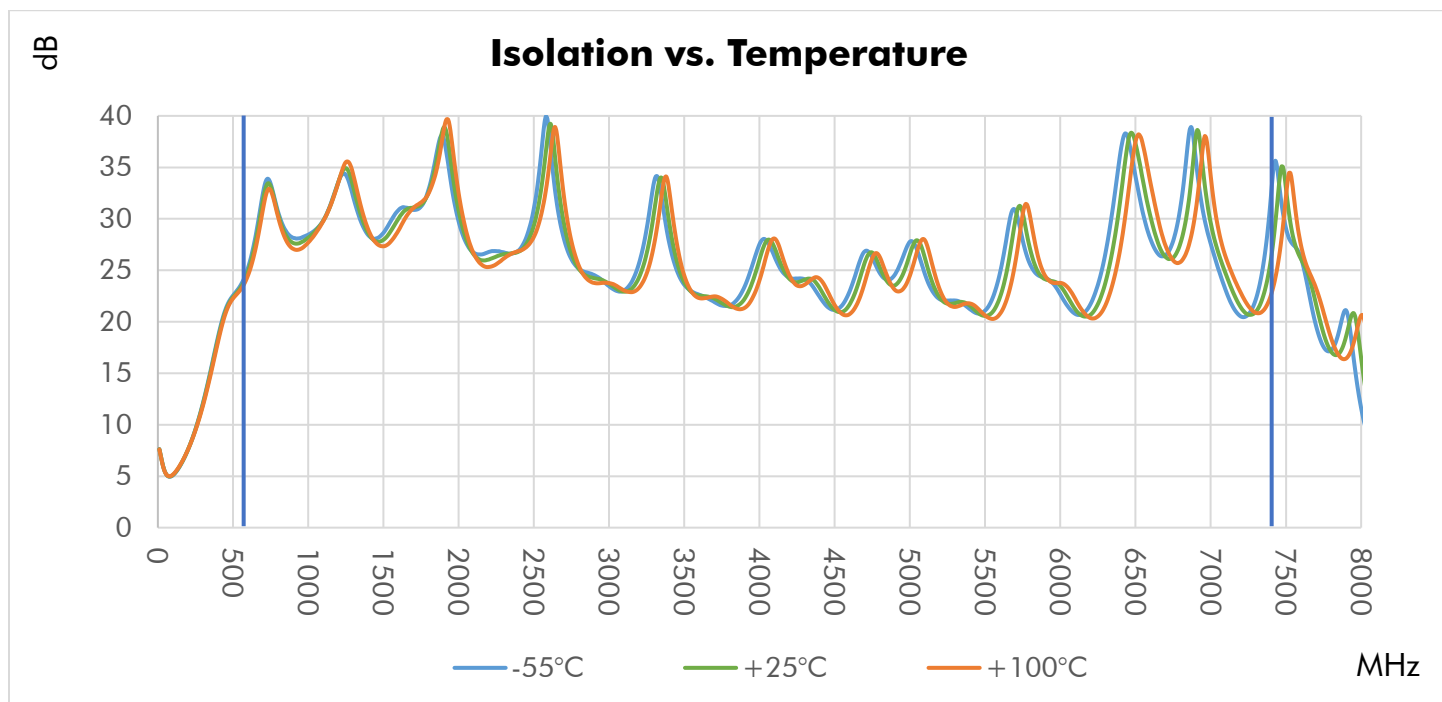
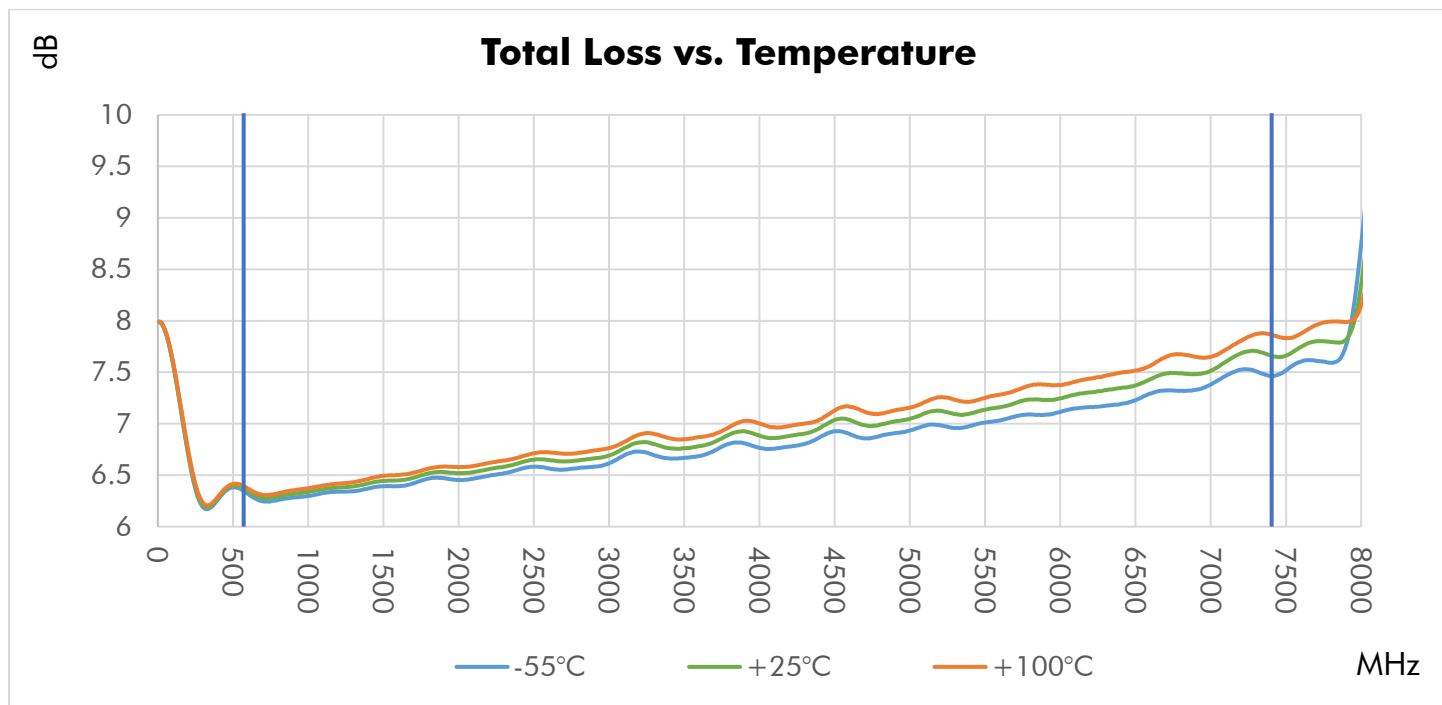
1. All output ports should be terminated in a 50-ohm load with 1.2:1 max VSWR.
2. Electrical specification at +25 °C only.
3. To the best of our knowledge at the time of publication.

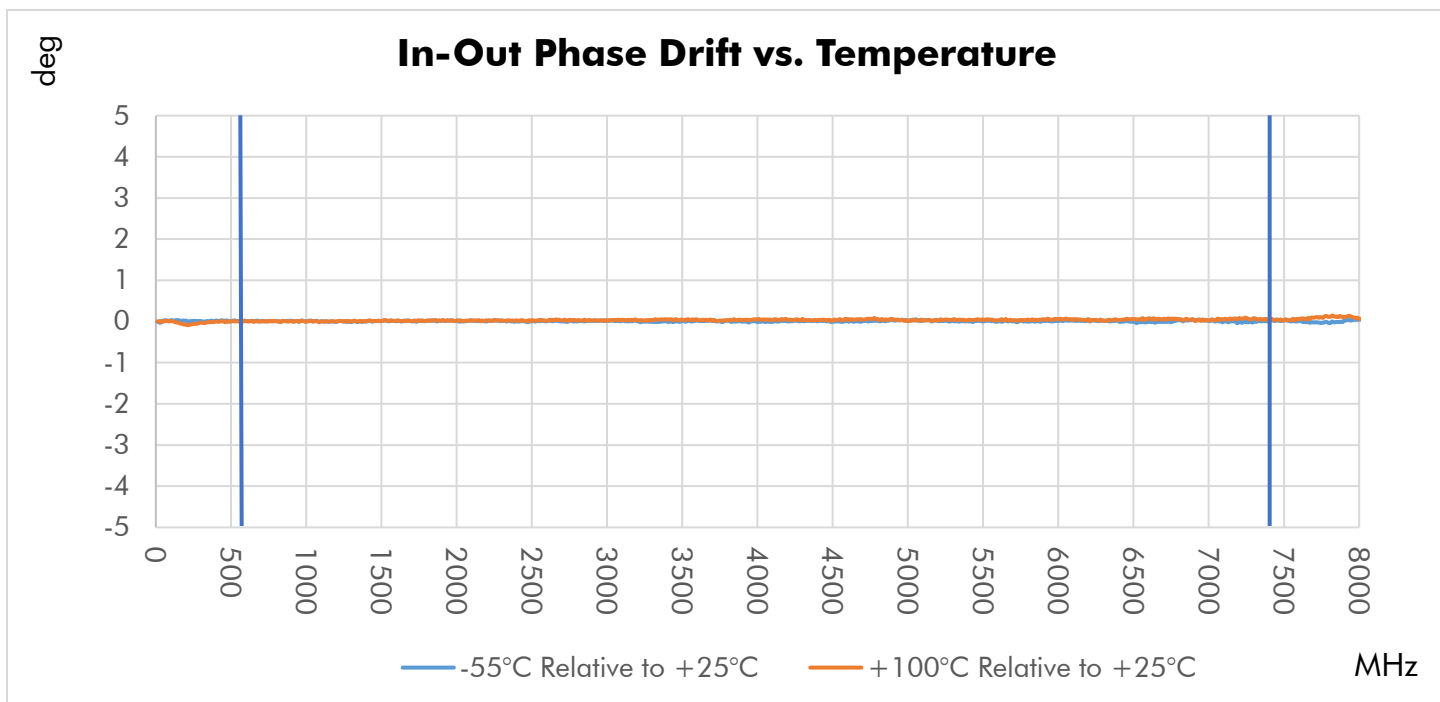
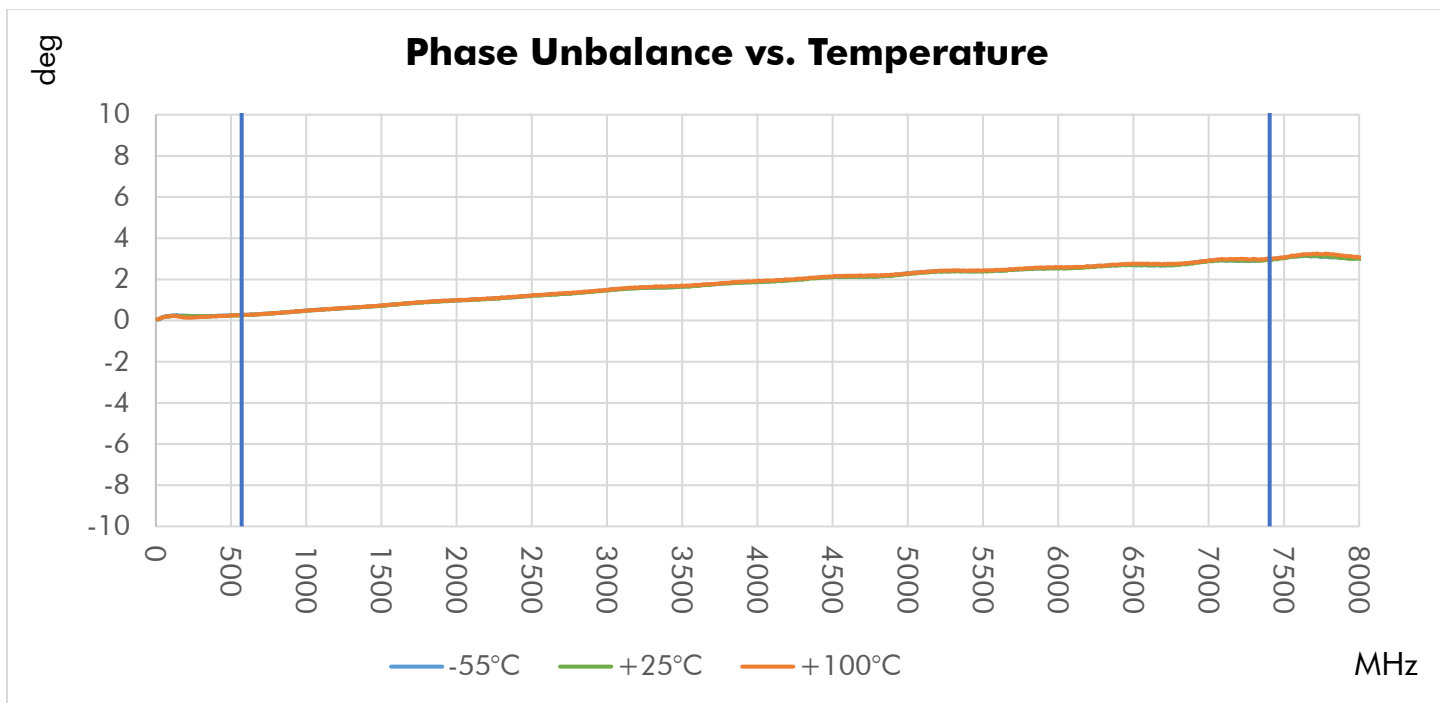
Typical Performance at +25 °C

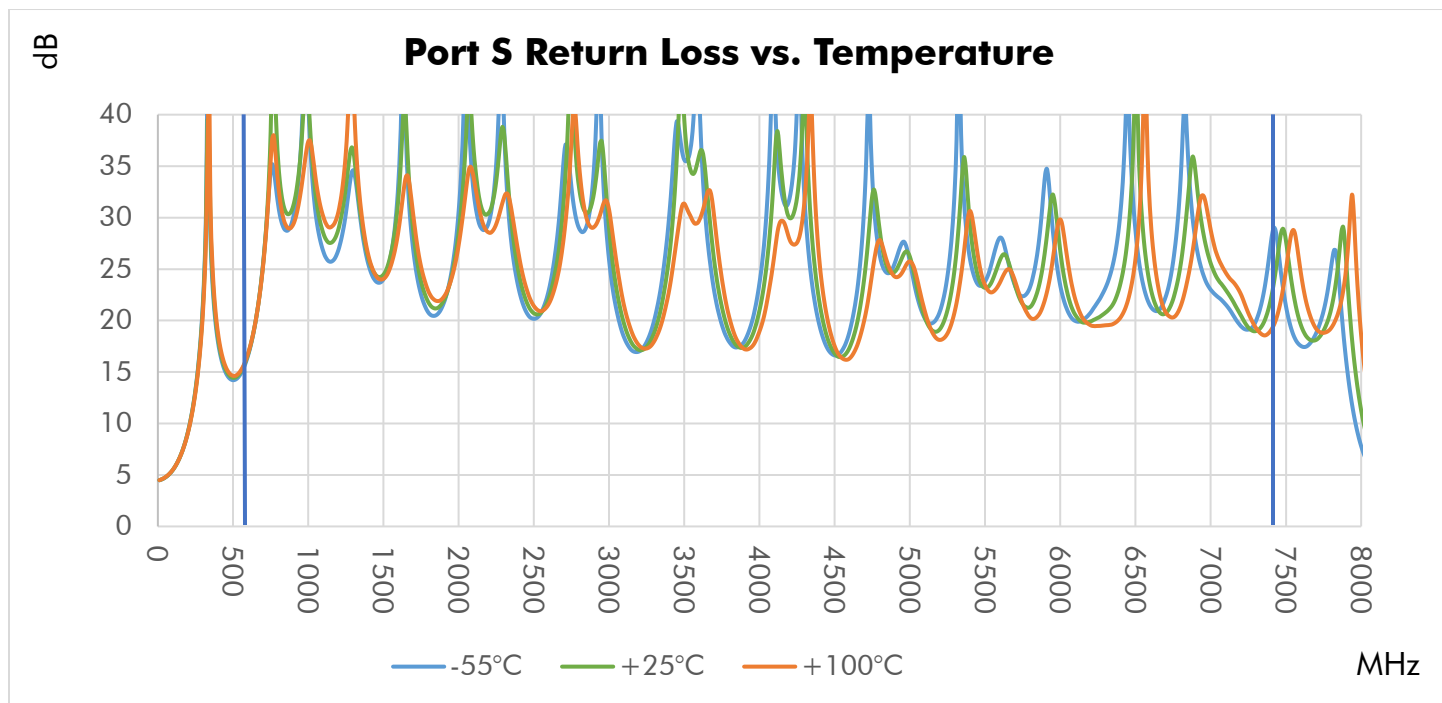




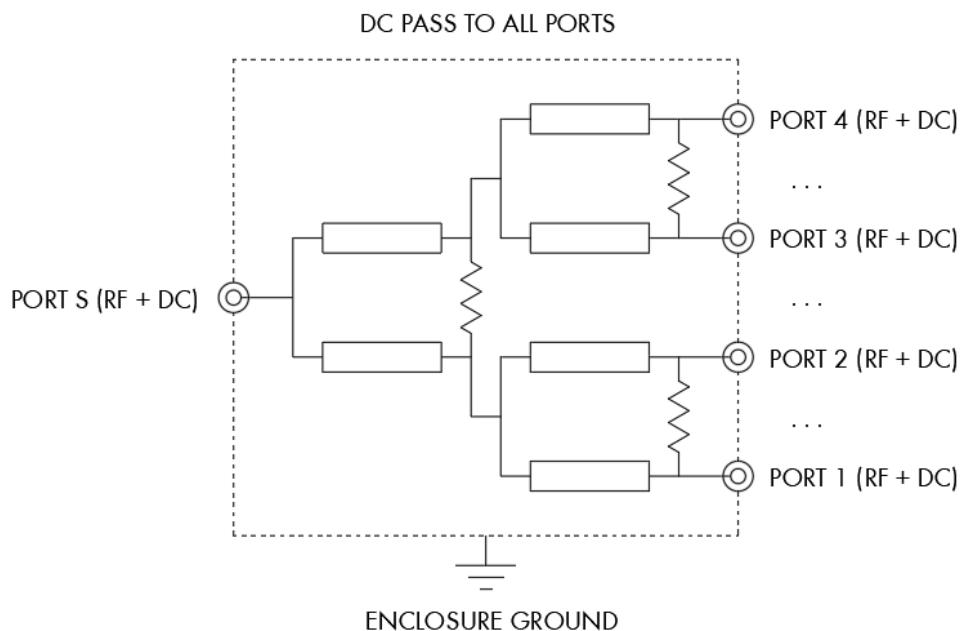
Typical Performance Over Temperature







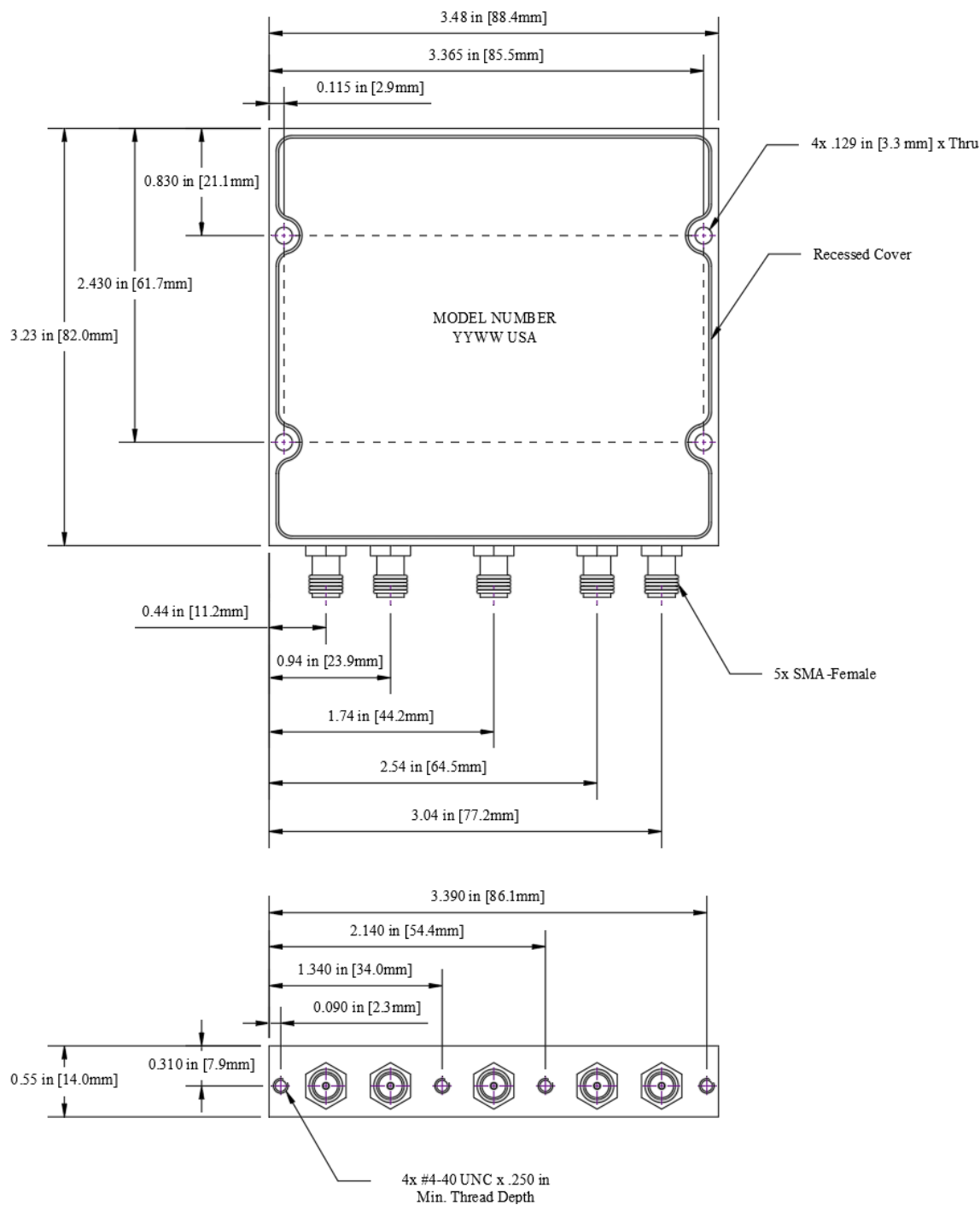
Simplified Electrical Schematic



Typical Performance Data

Frequency (MHz)	Total Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	Return Loss (dB)		
	S-1	S-4				Port S	Port 1	Port 4
500	6.4	6.4	0.02	22.1	0.0	14.9	21.0	14.9
700	6.3	6.4	0.01	34.5	0.3	27.8	27.7	27.9
900	6.4	6.4	0.01	27.5	0.2	28.3	35.1	28.3
1100	6.4	6.4	0.02	28.3	0.1	26.1	28.8	26.1
1300	6.4	6.5	0.02	32.0	0.2	32.6	34.1	32.6
1500	6.5	6.5	0.02	26.9	0.1	24.3	30.9	24.2
1700	6.5	6.5	0.01	28.3	0.1	24.9	25.4	24.8
1900	6.6	6.6	0.00	38.7	0.2	22.7	23.3	22.8
2100	6.6	6.6	0.01	26.0	0.2	31.4	32.7	31.4
2300	6.6	6.7	0.02	24.3	0.2	28.8	30.2	28.8
2500	6.7	6.7	0.02	29.1	0.2	20.5	23.1	20.5
2700	6.7	6.7	0.02	30.7	0.2	32.3	25.3	32.4
2900	6.7	6.7	0.01	22.5	0.2	32.7	34.0	32.8
3100	6.8	6.8	0.01	22.1	0.4	19.4	25.3	19.4
3300	6.9	6.9	0.03	27.9	0.3	19.6	20.9	19.6
3500	6.8	6.9	0.02	24.0	0.3	29.0	25.2	29.0
3700	6.9	6.9	0.01	21.7	0.3	25.5	32.6	25.4
3900	7.0	7.0	0.02	21.5	0.4	20.2	30.5	20.2
4100	7.0	7.0	0.03	27.8	0.3	23.5	25.8	23.6
4300	7.0	7.0	0.03	23.7	0.3	30.8	29.9	30.7
4500	7.1	7.1	0.03	21.6	0.3	20.6	32.8	20.6
4700	7.1	7.1	0.03	23.3	0.5	19.8	33.7	19.8
4900	7.1	7.1	0.05	23.9	0.4	32.0	32.0	32.2
5100	7.1	7.2	0.05	27.8	0.5	24.0	22.0	23.9
5300	7.2	7.3	0.06	20.5	0.5	18.7	26.0	18.7
5500	7.2	7.3	0.06	20.5	0.6	30.5	29.7	30.5
5700	7.3	7.3	0.06	24.3	0.7	25.4	22.4	25.6
5900	7.4	7.4	0.06	24.5	0.8	19.6	19.8	19.7
6100	7.3	7.4	0.07	21.3	0.6	29.6	26.2	29.9
6300	7.4	7.5	0.08	21.5	0.4	18.9	27.2	18.9
6500	7.5	7.6	0.06	30.2	0.5	19.0	19.8	18.9
6700	7.5	7.6	0.06	27.5	0.3	30.5	24.6	30.7
6900	7.6	7.7	0.07	28.5	0.2	21.1	30.4	21.1
7100	7.6	7.7	0.05	21.9	0.3	22.6	23.5	22.7
7300	7.7	7.8	0.06	21.8	0.6	30.0	29.7	30.0
7500	7.9	7.9	0.05	27.4	0.7	15.8	29.1	15.8
7700	7.9	7.9	0.07	20.6	0.9	19.6	25.3	19.6
7900	7.9	8.0	0.06	18.6	0.7	19.8	15.2	19.8

Outline Dimensions



Outline drawing: OL-4974

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

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

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