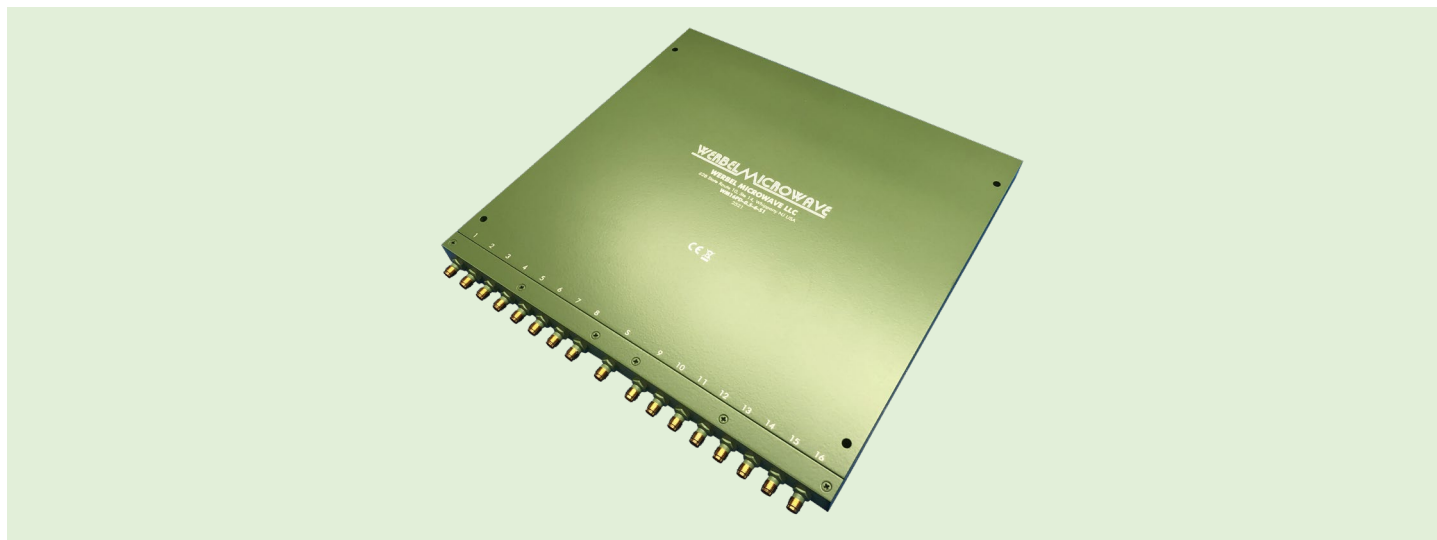


Power Divider, 16-way, 0.5-6GHz, SMA Female, Front Mount

WM16PD-0.5-6-S1



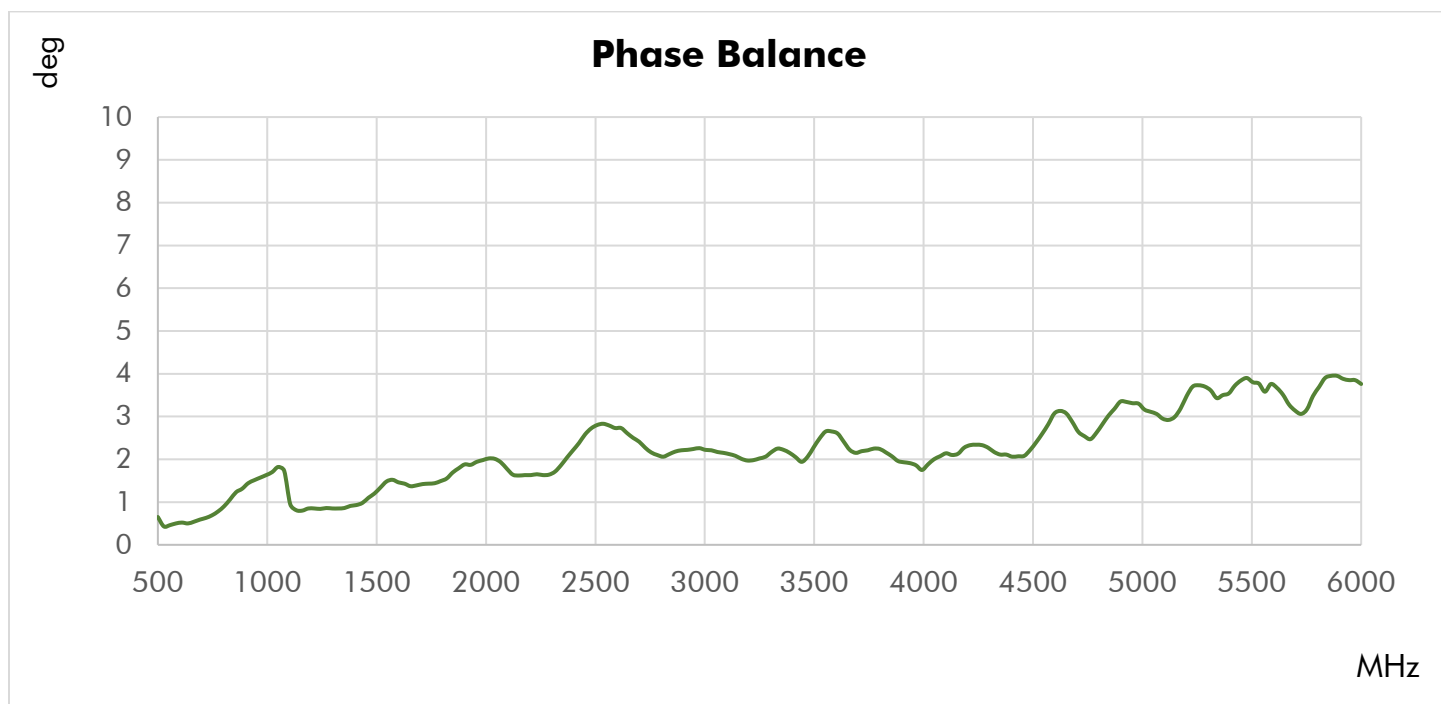
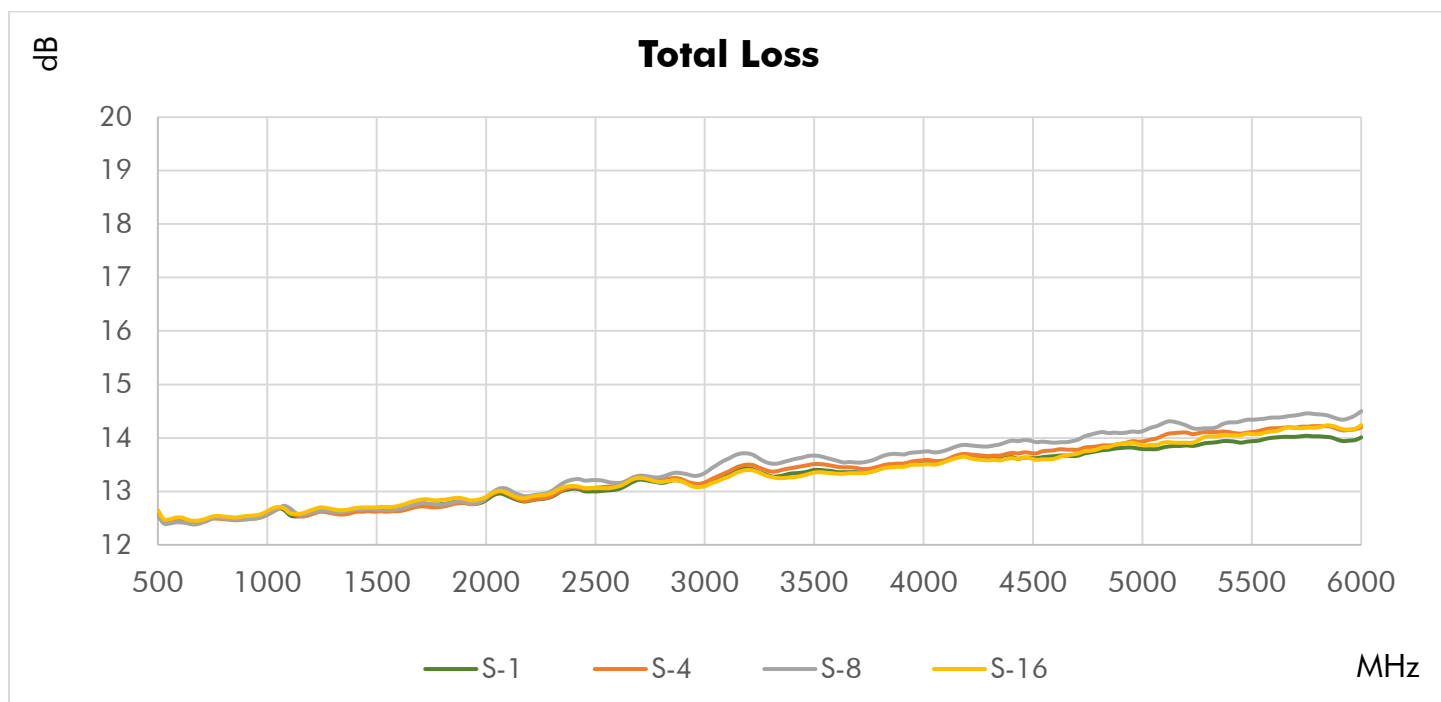
Optional SMA(M) input: Order model number WM16PD-0.5-6-SM

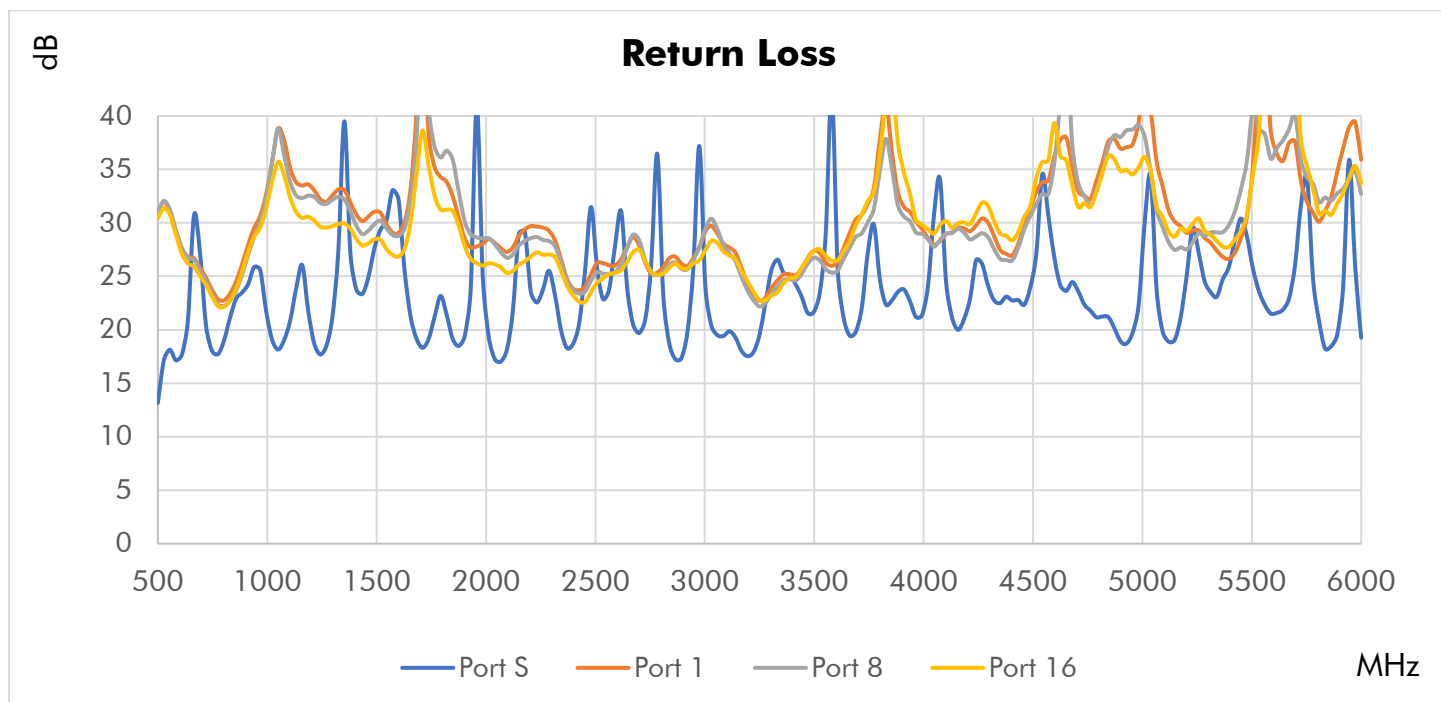
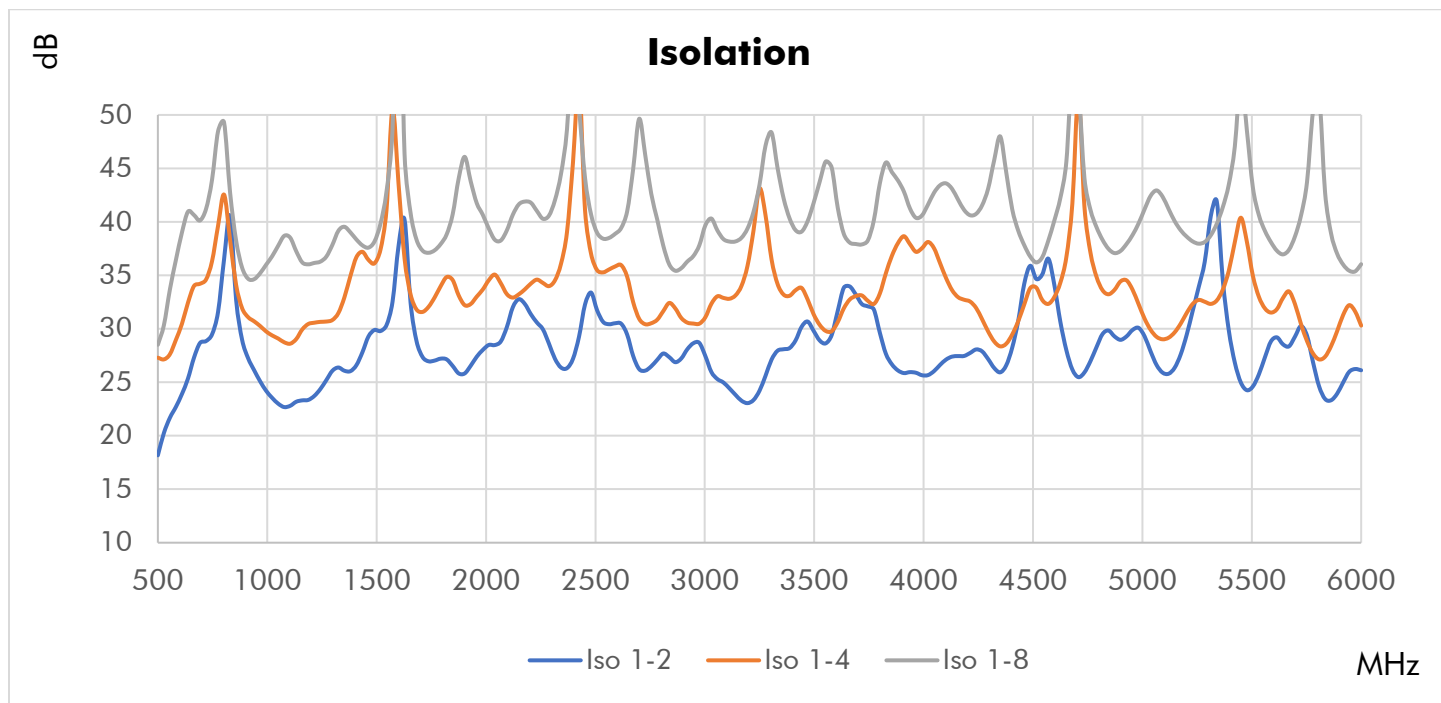
Parameter	Min.	Typ.	Max.	Unit
Frequency	500		6000	MHz
Impedance		50		Ohm
Return Loss (Port S)	9.5	17.2		dB
Return Loss (Port 1-16)	14	20		dB
Insertion Loss (above 12.04dB)		2.0	4.9	dB
Isolation	500-600MHz 600-6000MHz	15 17	18 24	dB
Amplitude Balance		0.5	1.4	dB
Phase Balance		6	18	Degrees
Input Power (CW) ¹		30		W, max

Connector Interface	SMA-Female	RoHS Status ³	RoHS3 Compliant
Operating Temperature ²	-55 to +85 °C	REACH Status ³	REACH Unaffected
Storage Temperature	-55 to +100 °C	Enclosure Material	Aluminum
Nominal Weight	1.54 kg (3.4 lb.)	Connectors Material	Stainless Steel
Operating Humidity	10-90% (non-condensing)	Contacts Material	Beryllium Copper, Gold Plated
Operating Environment	Indoor Use Only	Insulators Material	Virgin PTFE
HTSUS Code	8548.00.0000	Finish	Green Paint
ECCN	EAR99	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

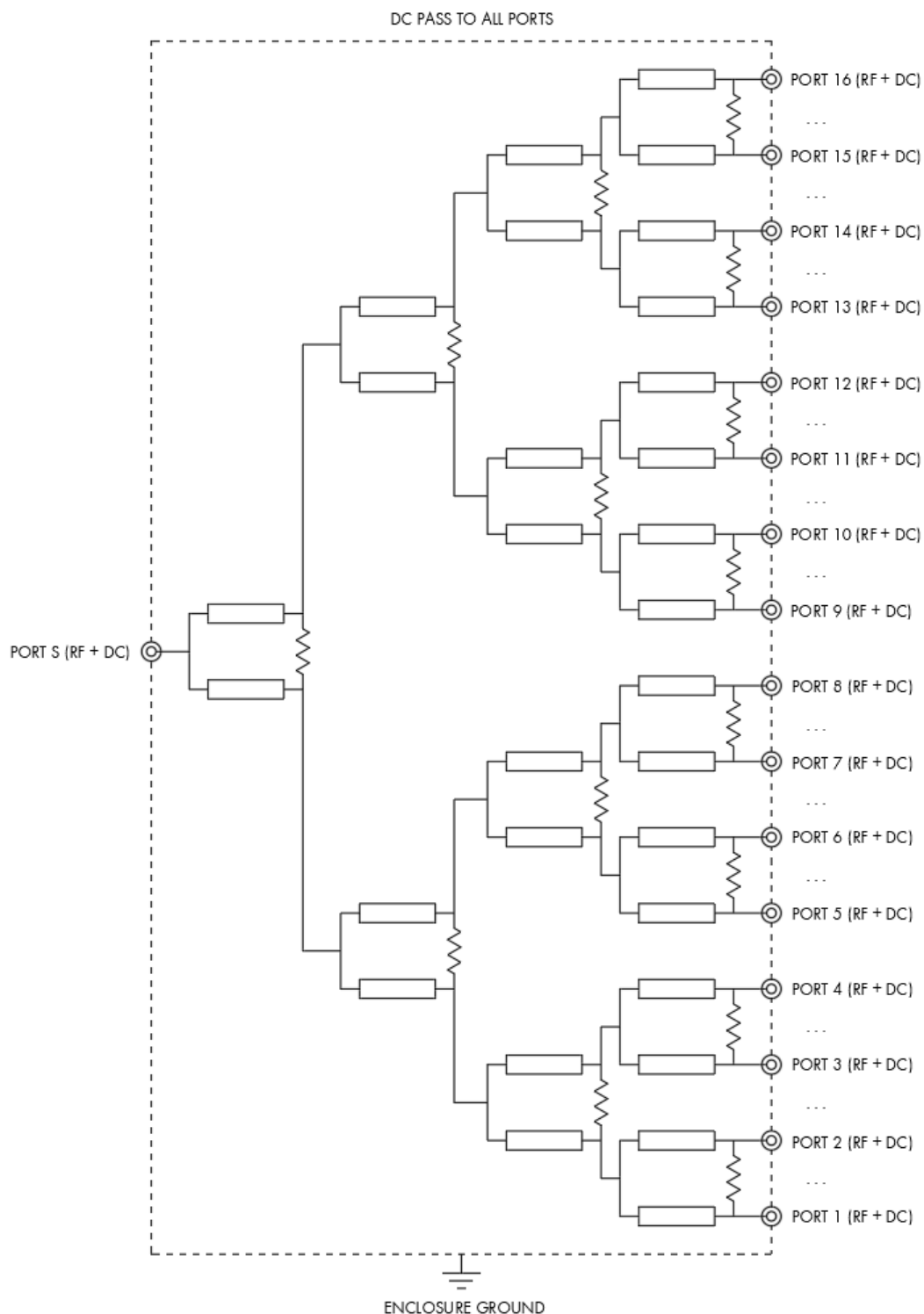




Typical Performance Data

Frequency (MHz)	Return Loss (dB)				Total Loss (dB)			Isolation (dB)		
	Port S	Port 1	Port 8	Port 16	S-1	S-8	S-16	1-2	1-4	1-8
500	13.2	31.0	31.0	30.4	12.58	12.55	12.65	18.2	27.3	28.5
610	17.7	27.6	27.6	27.1	12.48	12.42	12.51	23.9	30.5	39.0
720	20.4	24.9	24.6	24.2	12.47	12.45	12.49	28.9	34.6	41.2
830	21.1	23.4	22.7	22.8	12.49	12.48	12.52	40.6	38.3	42.8
940	25.9	29.5	28.7	28.7	12.52	12.49	12.55	26.1	30.7	34.6
995	21.7	32.7	32.3	31.4	12.60	12.56	12.62	24.2	29.8	36.0
1490	27.6	31.0	29.9	28.5	12.64	12.66	12.70	29.9	36.1	38.2
1985	25.0	28.1	28.5	26.0	12.80	12.83	12.87	28.0	33.7	40.7
2480	31.5	25.2	24.6	23.5	13.00	13.21	13.06	33.4	37.0	40.7
3003	24.0	29.2	29.5	27.5	13.13	13.35	13.10	27.5	31.1	39.7
3498	21.7	27.4	26.7	27.4	13.40	13.67	13.35	29.8	31.4	41.8
3993	21.4	29.4	29.0	29.8	13.56	13.74	13.50	25.7	37.5	40.6
4515	27.1	32.9	31.8	34.2	13.62	13.92	13.59	34.7	33.9	36.2
5010	29.9	43.2	38.1	36.2	13.79	14.14	13.86	29.3	31.0	41.2
5505	25.7	35.2	40.6	34.5	13.94	14.34	14.07	24.6	35.0	43.2
6000	19.3	35.9	32.7	33.7	14.01	14.50	14.24	26.1	30.3	36.0

Simplified Electrical Schematic



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Reliability testing was performed as an internal requalification of the product to substantiate the published specifications, which were previously arrived at by calculation and/or similarity to existing products. The results of these tests are provided as a courtesy and shall not form part of a contract or warranty. While reliability tests may depict the product being tested beyond the published specification ratings for the purpose of stress testing the product, this does not imply that the product should be operating above the rated limits for any length of time. Specifications related to reliability (e.g., performance over temperature, power handling, DC current, HI-POT) are "designed to meet" and are not individually tested in production of commercially available products. Please contact a Werbel Microwave LLC Applications Engineer if specific reliability testing is needed on a particular product.