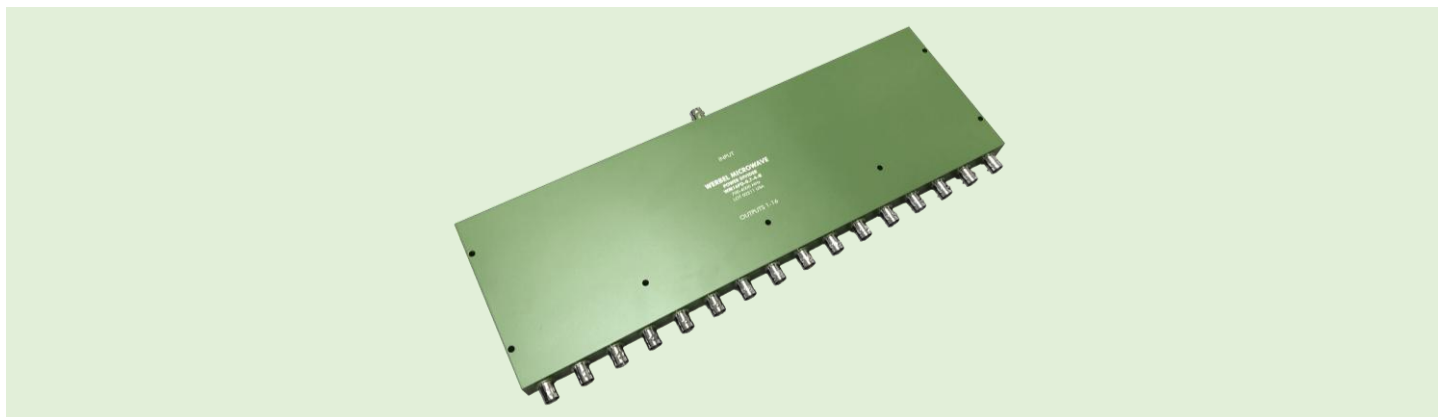


Power Divider, 0.7-4GHz, 16-way, BNC Female

WM16PD-0.7-4-B



Parameter	Min.	Typ.	Max.	Unit
Frequency	700		4000	MHz
Impedance		50		Ohm
Return Loss (Port S)	11	15		dB
Return Loss (Port 1-16)	13	17		dB
Insertion Loss (above 12.04dB)		2.5	3.5	dB
Isolation	16	22		dB
Amplitude Balance		0.3	1.0	dB
Phase Balance		12		Degrees
Input Power (CW) ¹		30		W, max

Connector Interface BNC-Female

Operating Temperature² -10 to +65 °C

Storage Temperature -55 to +100 °C

Nominal Weight 1.63 kg (3.6 lb.)

Operating Humidity 10-90% (non-condensing)

Operating Environment Indoor Use Only

HTSUS Code 8548.00.0000

ECCN EAR99

RoHS Status³

REACH Status³

Enclosure Material

Connectors Material

Contacts Material

Insulators Material

Finish

Country of Origin

RoHS3 Compliant

REACH Unaffected

Aluminum

Stainless Steel

Beryllium Copper, Gold Plated

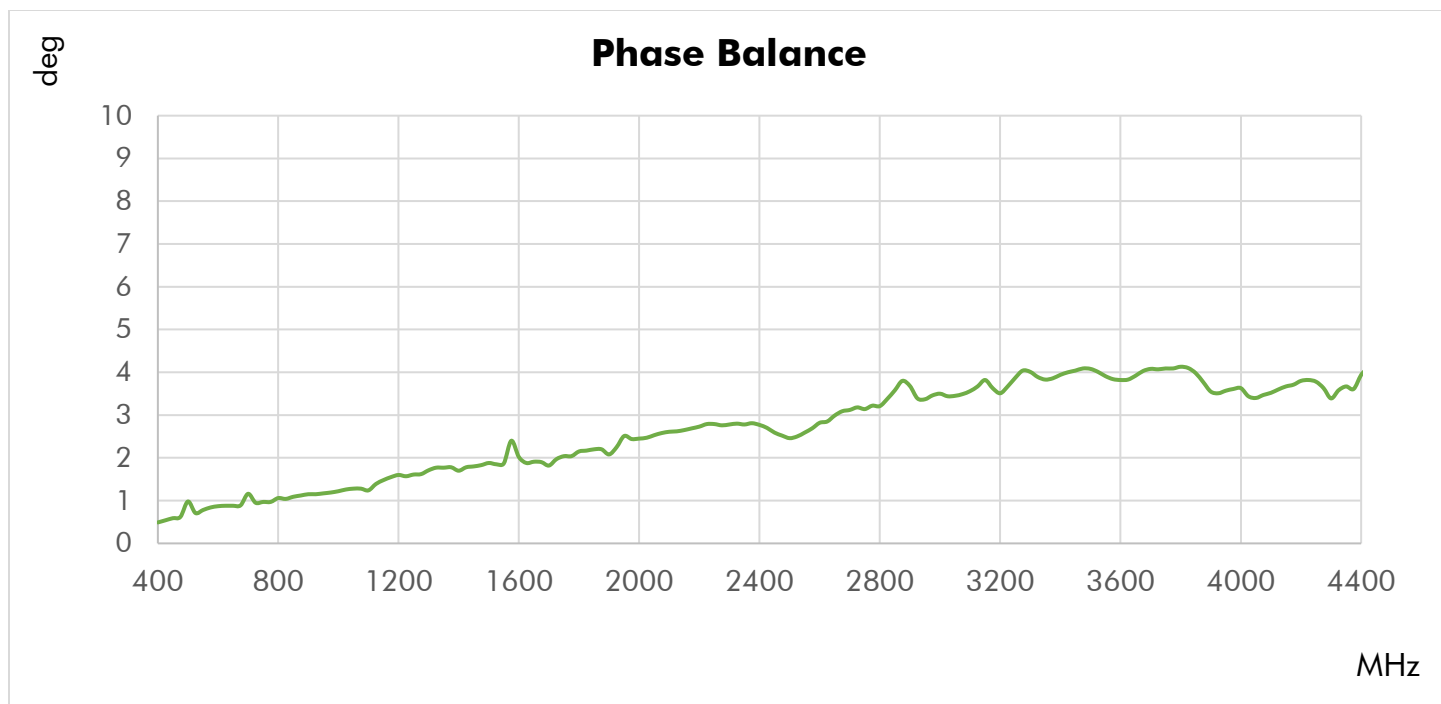
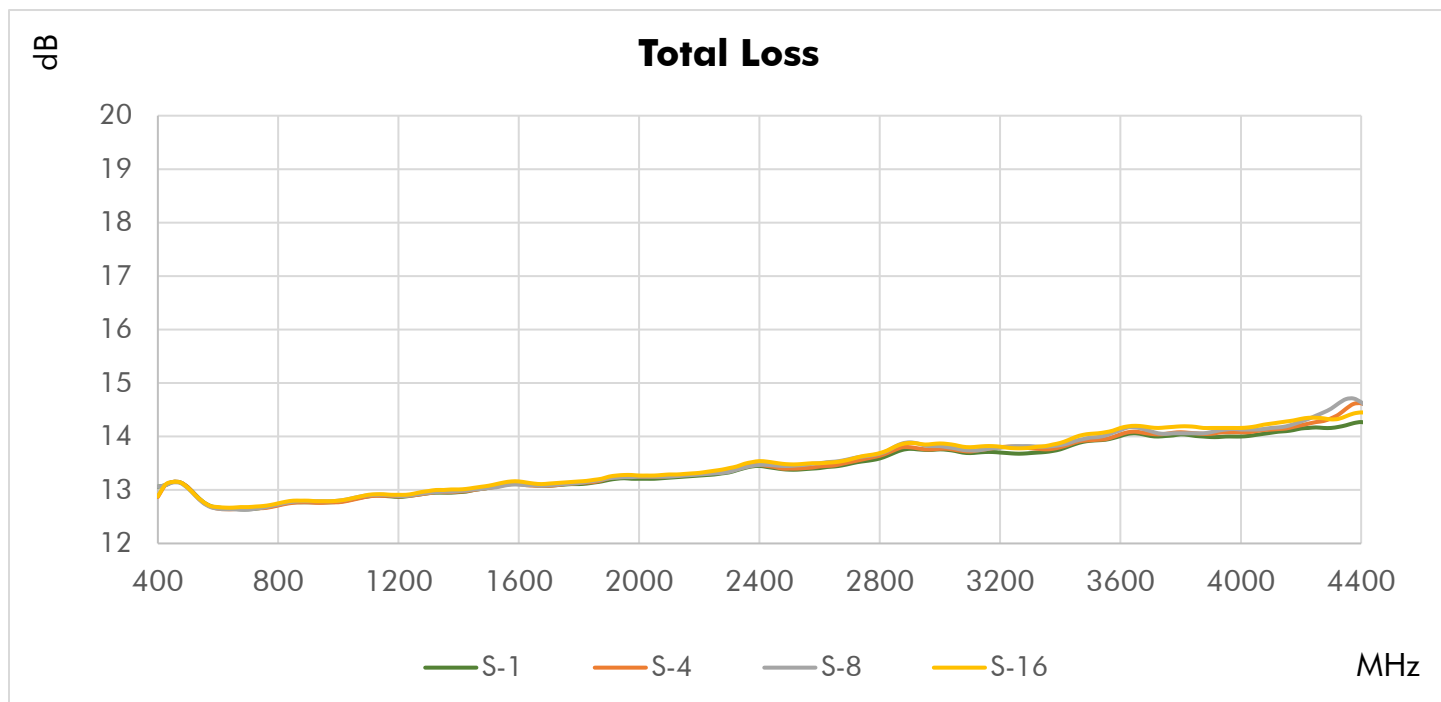
Virgin PTFE

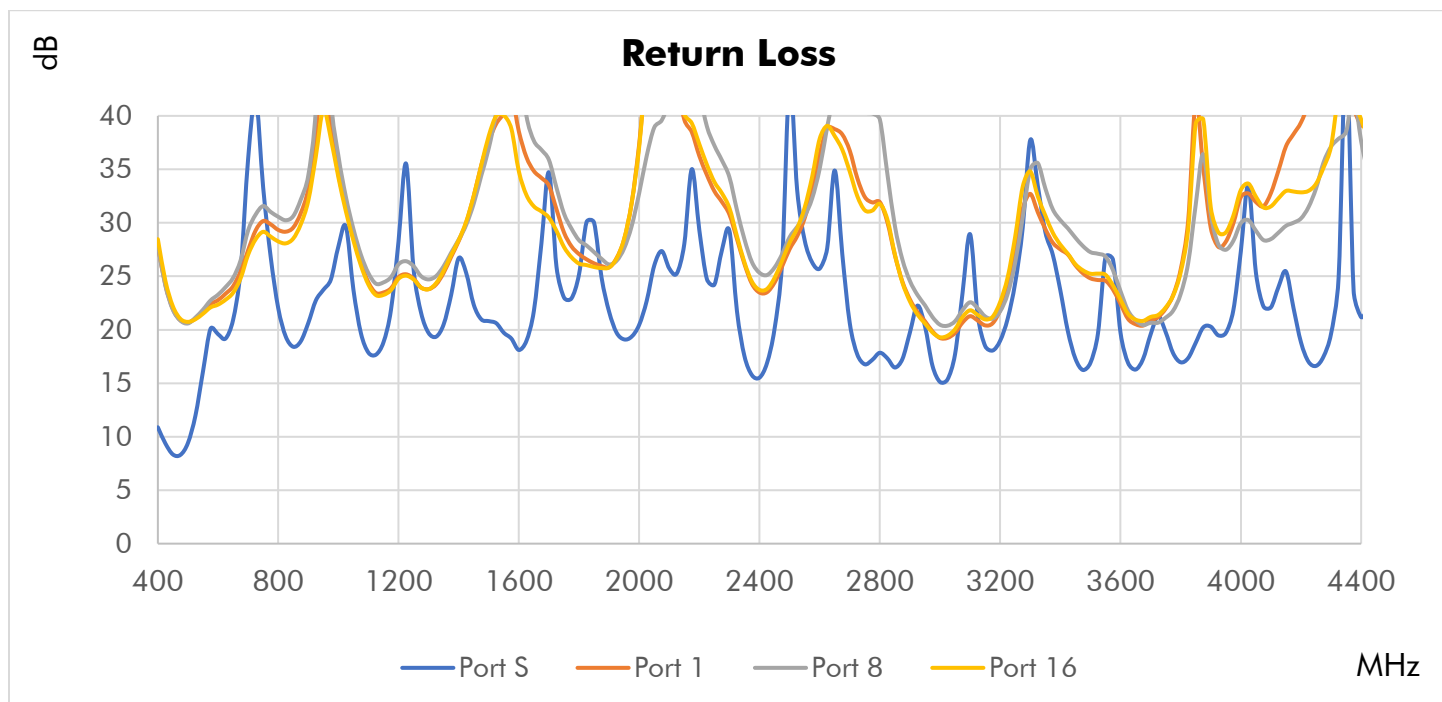
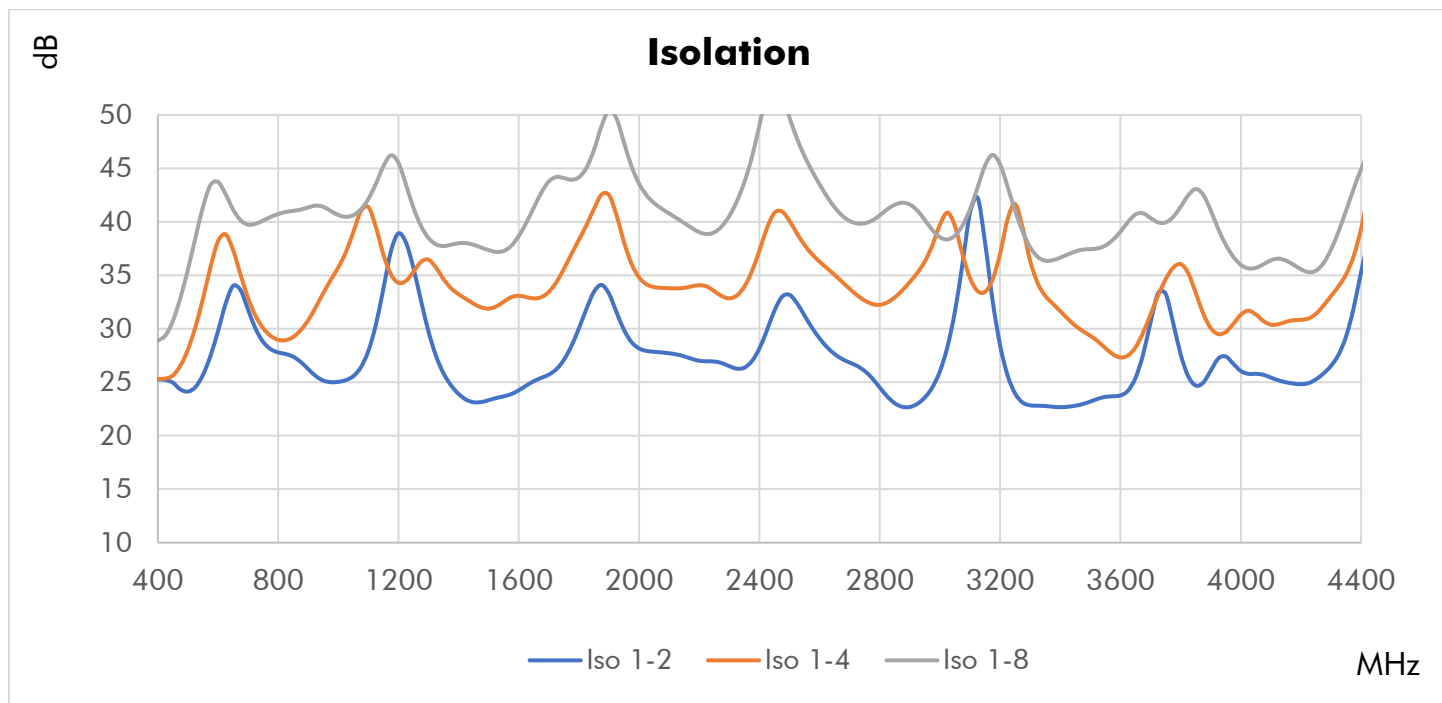
Green Paint

United States of America

1. 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

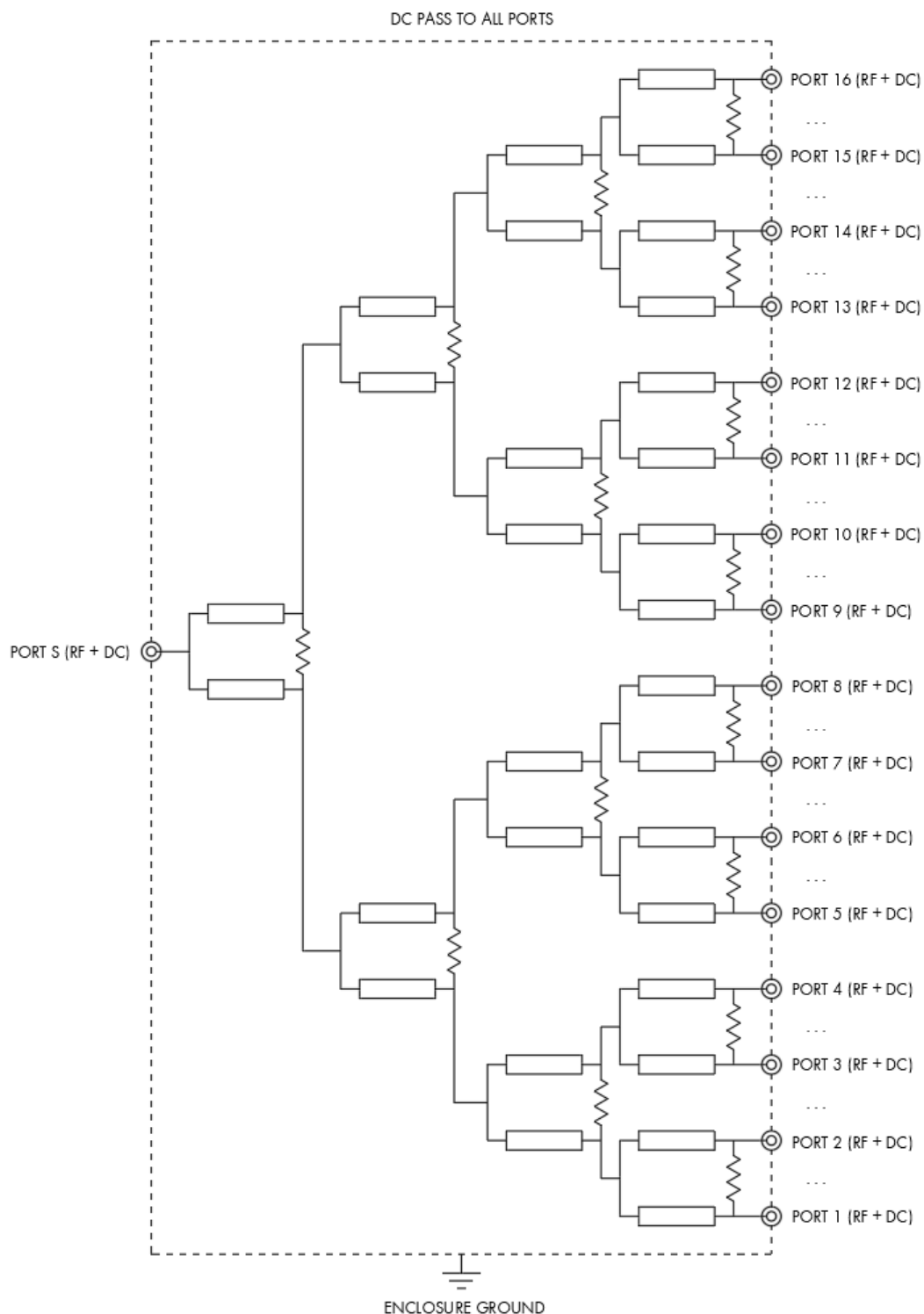




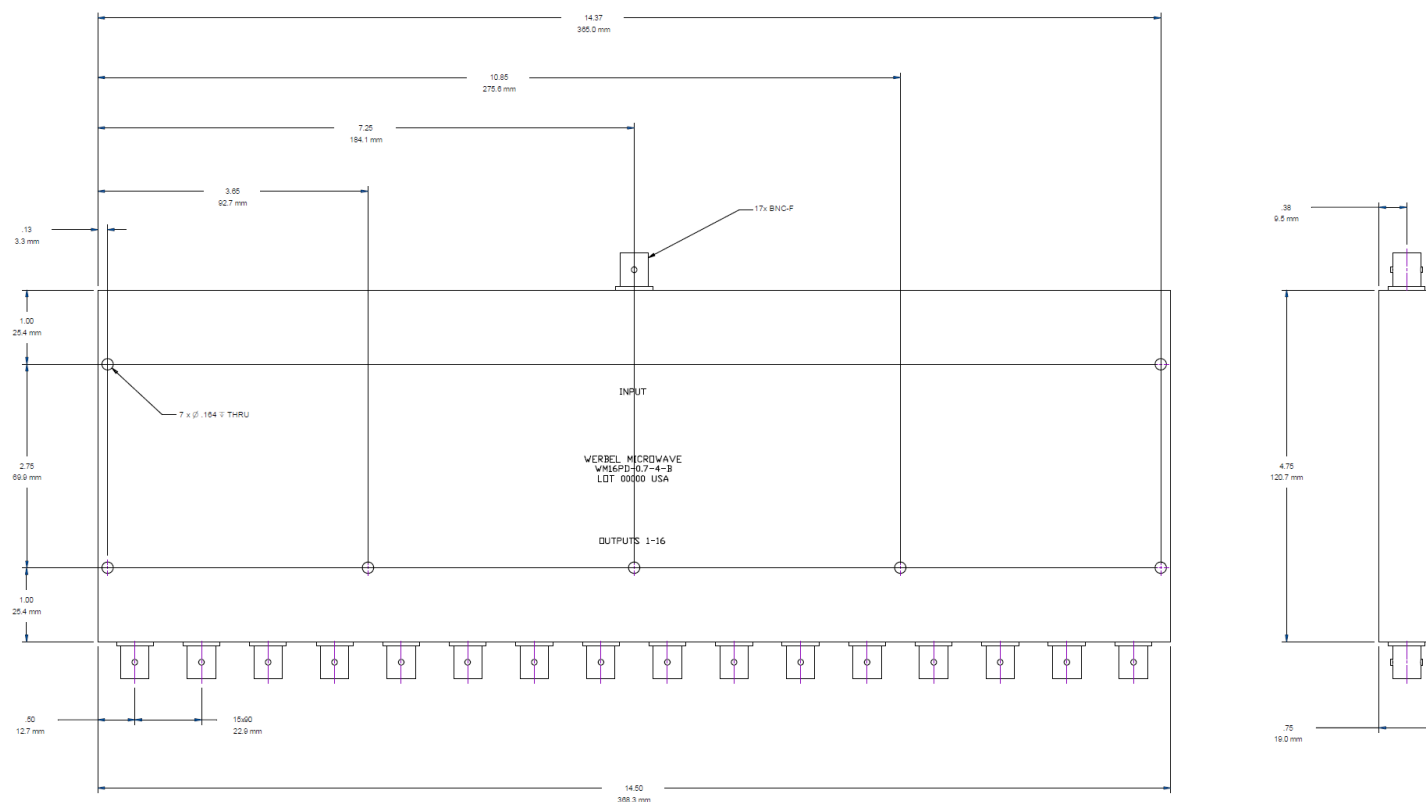
Typical Performance Data

Frequency (MHz)	Return Loss (dB)			Total Loss (dB)			Isolation (dB)		
	Port S	Port 1	Port 16	S-1	S-8	S-16	1-2	1-4	1-8
400	10.88	27.86	28.47	13.06	13.06	12.88	25.27	25.32	28.89
500	9.42	20.68	20.74	13.05	13.03	13.04	24.13	28.07	35.56
600	19.59	22.77	22.35	12.67	12.65	12.68	29.79	38.20	43.74
700	35.97	27.44	27.02	12.64	12.63	12.68	31.78	32.87	39.74
800	22.04	29.34	28.26	12.72	12.73	12.75	27.79	28.97	40.73
900	20.63	33.19	32.07	12.77	12.79	12.80	26.23	30.81	41.35
1000	27.78	34.58	34.27	12.78	12.80	12.80	25.04	35.75	40.64
1250	25.69	24.78	24.71	12.90	12.91	12.93	35.64	35.34	41.29
1500	20.81	37.65	38.14	13.04	13.04	13.08	23.33	31.89	37.36
1750	23.02	29.10	27.74	13.10	13.11	13.14	27.11	35.62	44.09
2000	20.46	37.35	37.09	13.21	13.25	13.27	28.16	34.79	43.55
2250	24.22	32.96	33.82	13.29	13.31	13.36	26.94	33.52	39.03
2500	43.27	27.54	28.15	13.38	13.45	13.48	33.17	40.07	49.72
2750	16.77	32.42	31.18	13.54	13.63	13.64	26.05	32.64	39.87
3000	15.12	19.23	19.30	13.76	13.82	13.87	26.05	39.76	38.56
3250	24.40	27.40	28.72	13.68	13.82	13.78	23.93	41.67	41.02
3500	16.91	24.81	25.24	13.92	13.98	14.05	23.20	29.34	37.45
3750	19.79	21.97	22.08	14.01	14.05	14.17	33.28	34.63	39.95
4000	27.33	32.41	33.07	14.00	14.13	14.16	26.05	31.32	35.98
4250	16.62	44.56	33.65	14.17	14.39	14.35	25.28	31.41	35.44
4500	24.18	35.33	42.08	14.22	14.43	14.39	37.91	46.28	48.36

Simplified Electrical Schematic



Outline Dimensions



Outline drawing: OL-16047

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

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

The information contained in this document is accurate to the best of our knowledge and representative of the product described herein at the date of publication. It may be necessary to make modifications to the product and/or documentation of the product. Werbel Microwave LLC reserves the right to make such changes as required without notice. Unless otherwise stated, all specifications and dimensions are nominal. Werbel Microwave LLC does not make any representation or warranty regarding the suitability of the product described herein for any particular purpose or application, and Werbel Microwave LLC does not assume any liability arising out of the use of any part of documentation. This document gives only a description of the product(s) and shall not form part of any contract. Please contact a Werbel Microwave LLC Applications Engineer for the most current specification drawing.

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.