

Power Divider, 8-way, 6-26.5 GHz, SMA Female

WM8PD-6-26.5-S

Description

Model WM8PD-6-26.5-S from Werbel Microwave is a wideband 8-way in-line power splitter covering of 6 to 26.5 GHz with excellent return loss, low insertion loss, and high isolation performance. Return loss 19dB typical. Insertion loss 1.3dB typical. Isolation 19dB typical. Amplitude balance ± 0.3 dB typical. Phase balance ± 4 degrees typical.



Photo is representative.

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Frequency Range	--	6000	--	26500	MHz
Impedance	--	--	50	--	Ω
Return Loss (Port S)	--	9.5	16	--	dB
Return Loss (Port 1-8)	--	12	19	--	dB
Insertion Loss Above 9.0dB	6000-18000	--	1.3	2.2	dB
	18000-26500	--	2.1	3.2	dB
Isolation	--	14	19	--	dB
Amplitude Unbalance ($\pm$) ¹	6000-18000	--	0.3	0.8	dB
	18000-26500	--	0.6	1.2	dB
Phase Unbalance ($\pm$) ¹	6000-18000	--	4	10	Degree
	18000-26500	--	8	12	Degree
Input Power (CW) ²	--	--	--	10	W

Mechanical

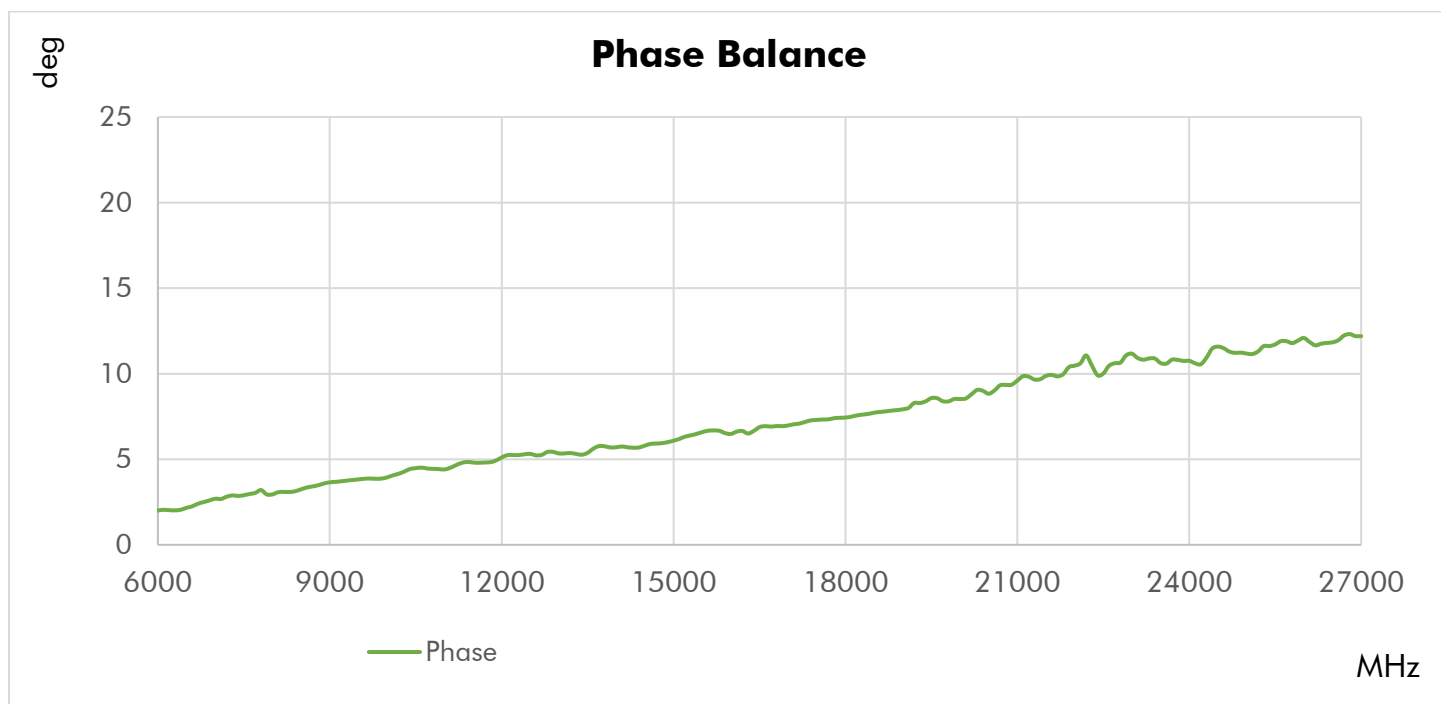
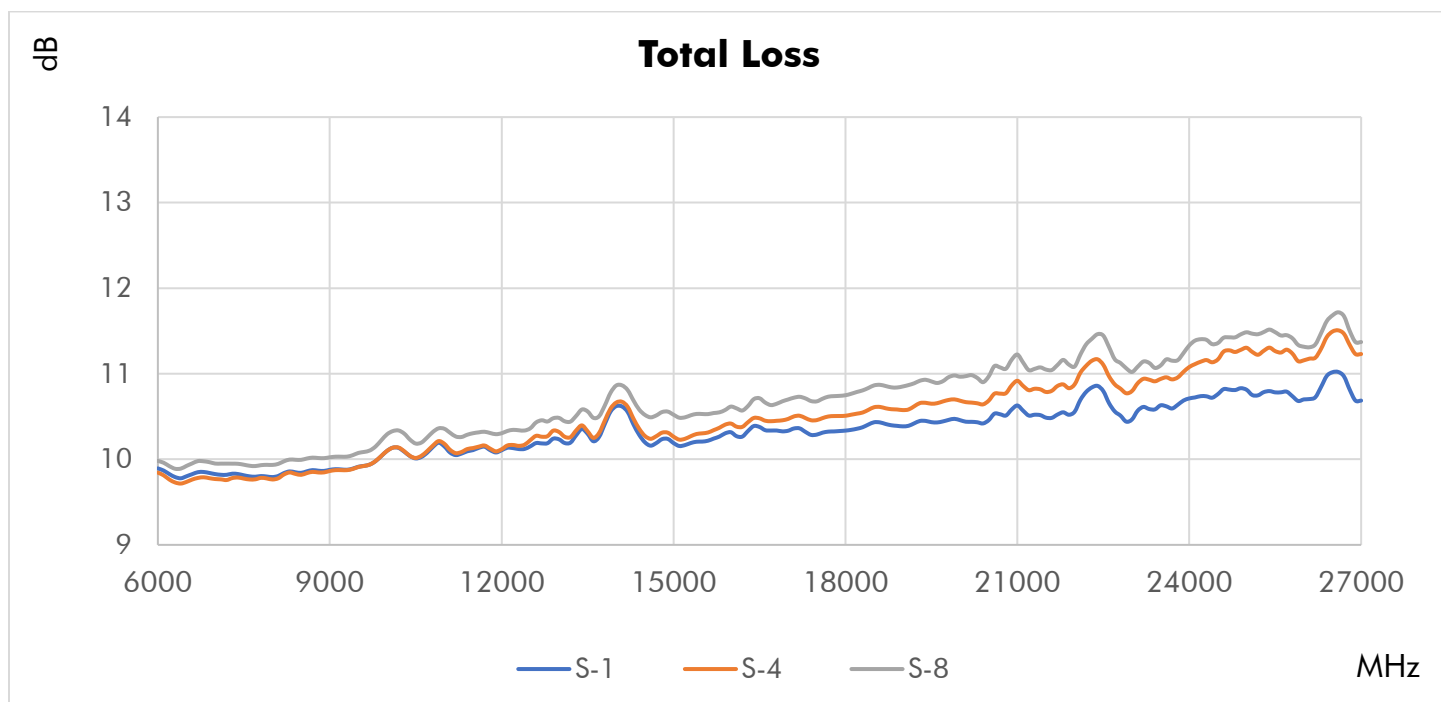
Connector Interface	SMA-Female
Operating Temperature ³	-55 to +85 °C
Storage Temperature	-55 to +100 °C
Weight Estimate	8.1 oz (230 g)
Humidity	10-90% non-condensing
Environment	Indoors Use Only
CAGE Code	78YZ0

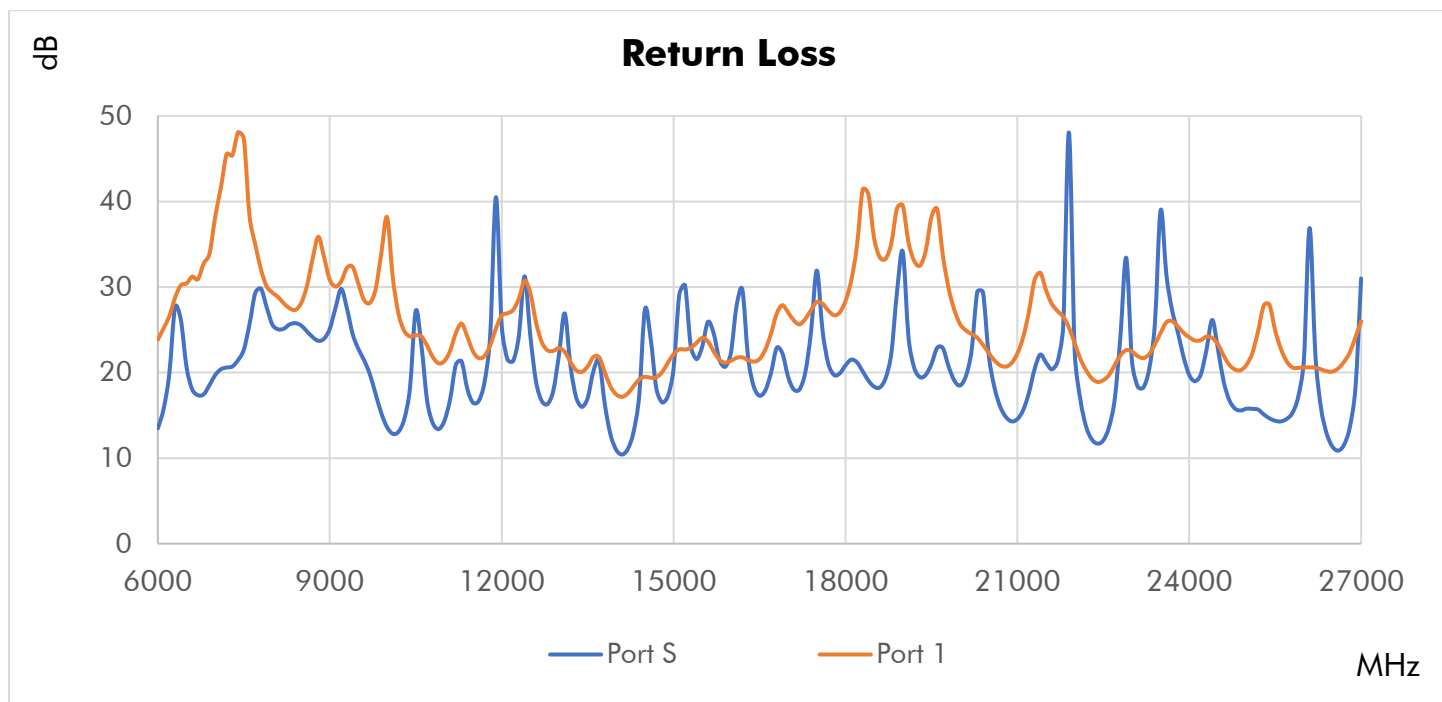
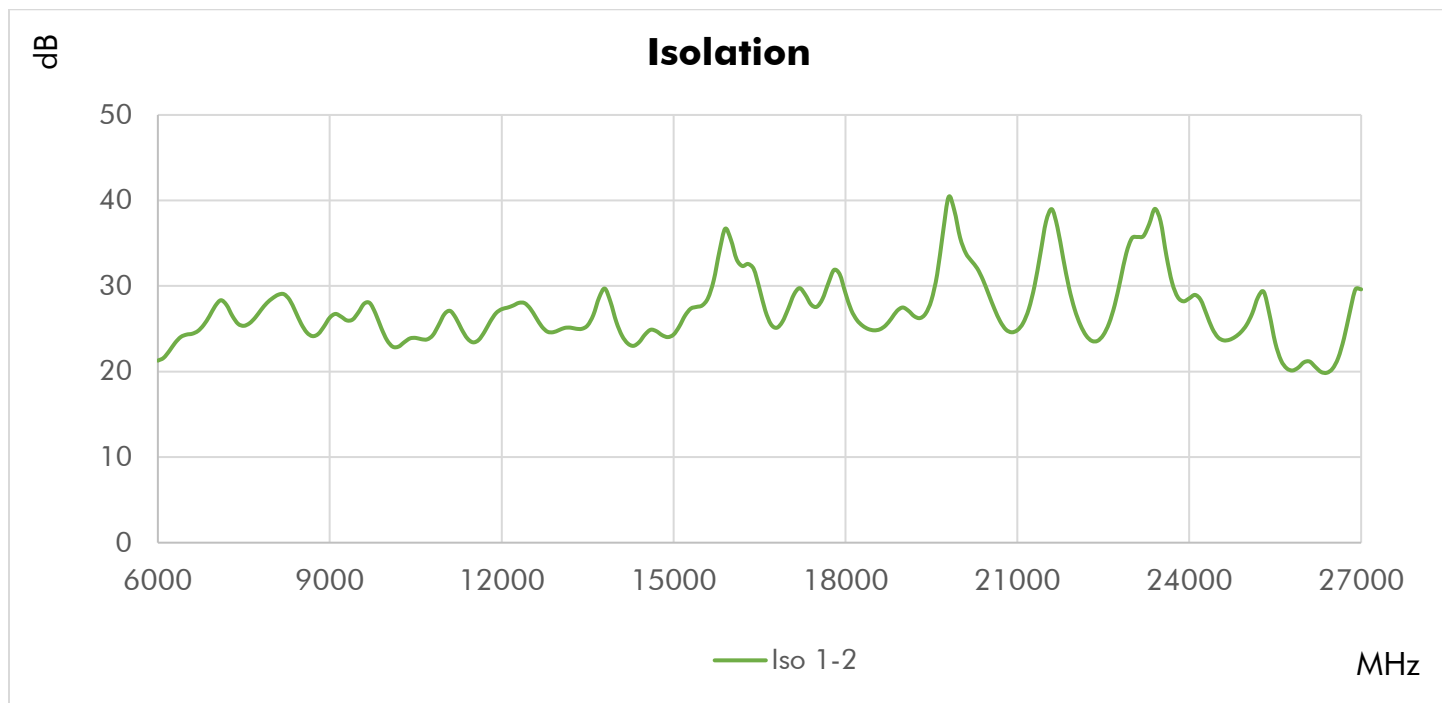
1. With reference to average.
2. All output ports should be terminated in a 50-ohm load with 1.2:1 max VSWR.
3. Electrical specifications at +25 °C.
4. To the best of our knowledge at the time of publication.

Materials

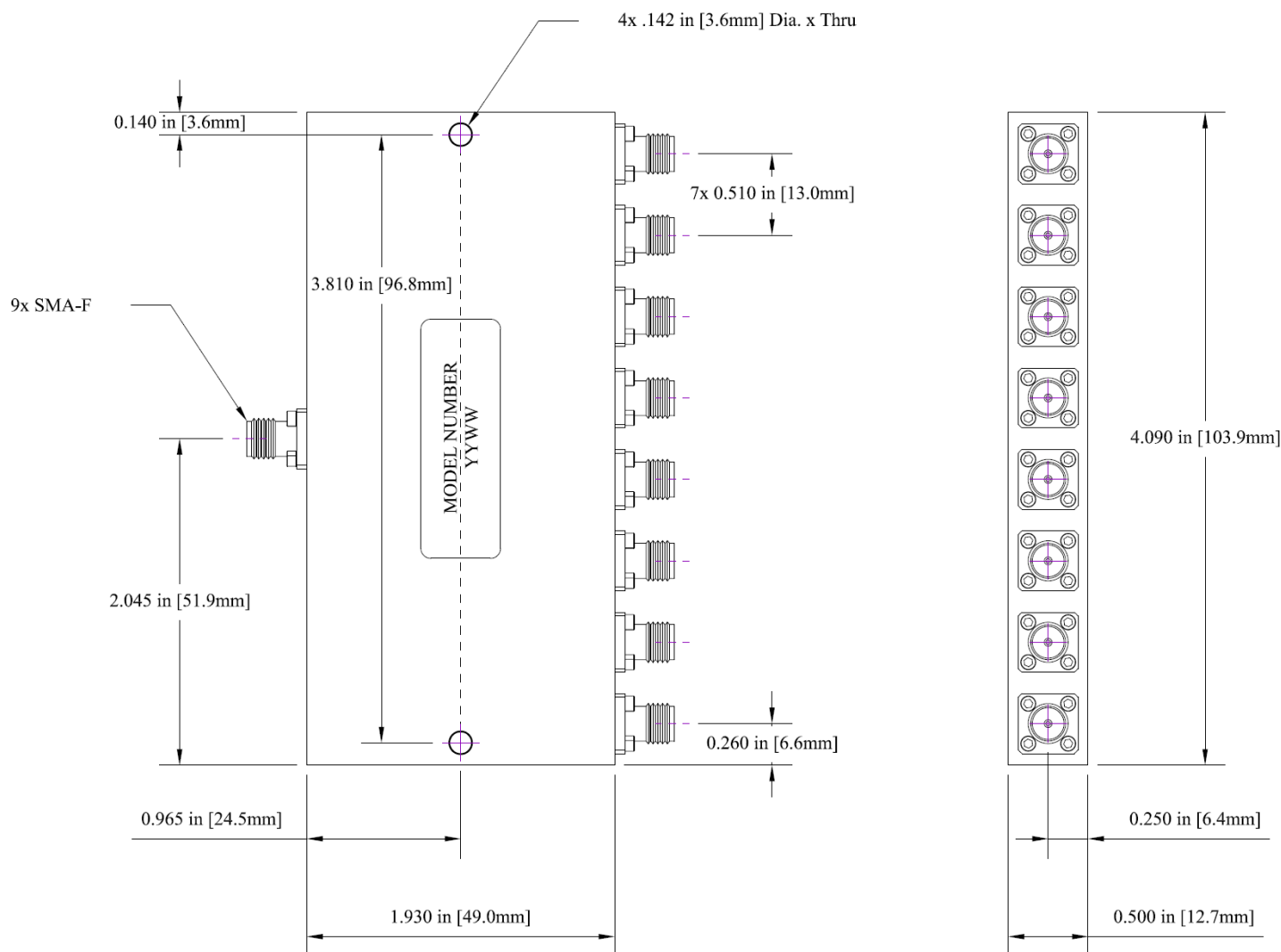
RoHS Compliant ⁴	Yes
REACH Compliant ⁴	Yes
Enclosure	Aluminum
Connectors	Stainless Steel
Contacts	Be Cu, Gold Plated
Insulators	PTFE
Finish	Green Paint

Typical Performance at +25 °C





Outline Dimensions



Outline drawing: OL-8262

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.