

Power Divider, 6-way, 18-26.5GHz, SMA Female

WM6PD-18-26.5-S



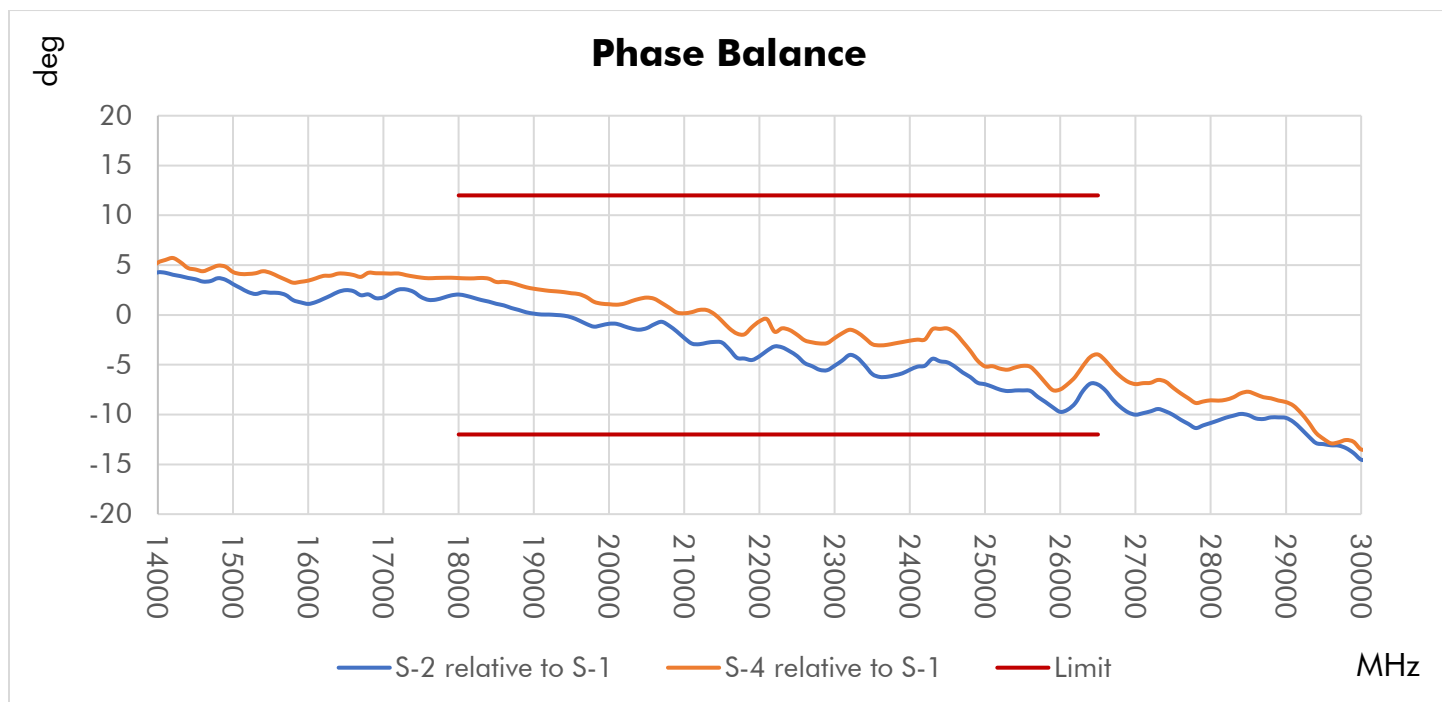
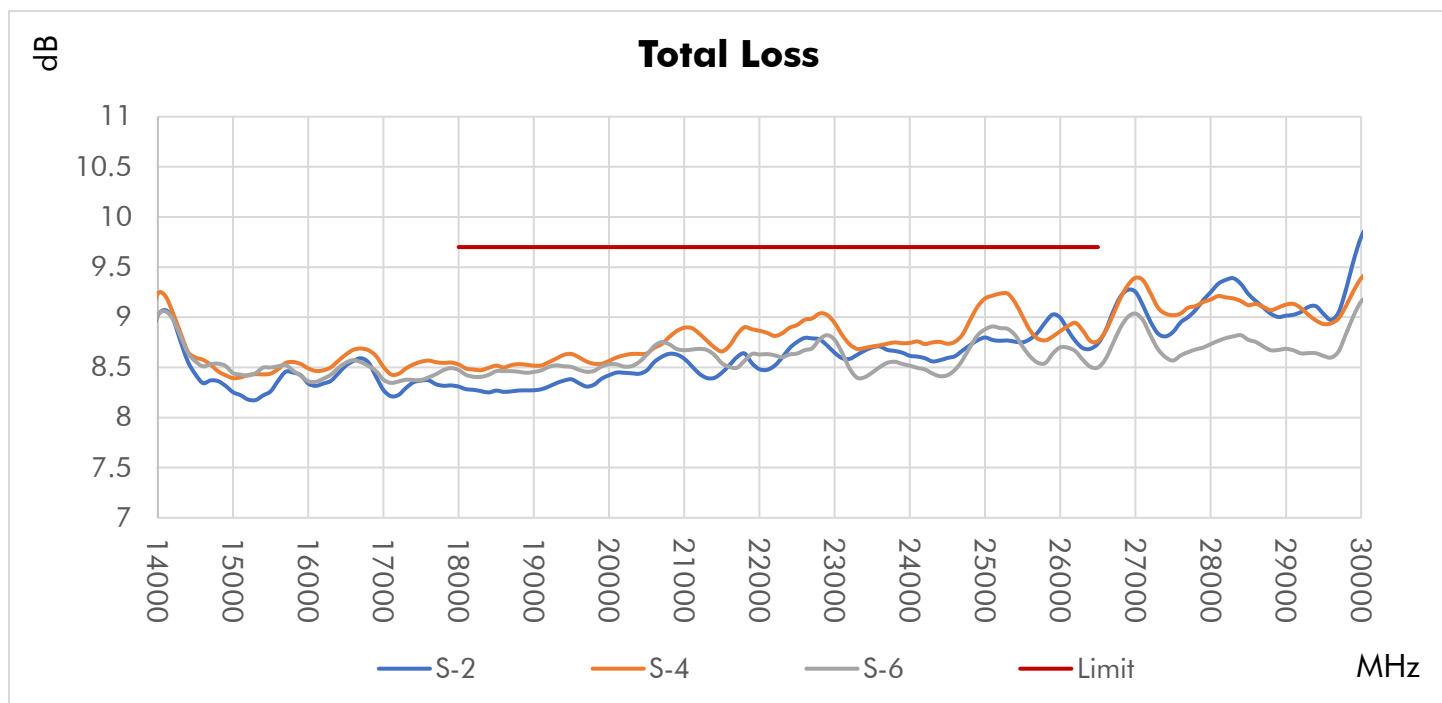
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	18000		26500	MHz
Impedance		50		Ω
Return Loss (Port S)	13.7	15.3		dB, min.
Return Loss (Port 1-2)	12.0	15.4		dB, min.
Insertion Loss above 7.8dB		1.4	1.9	dB, max.
Isolation	18	21.1		dB, min.
Amplitude Unbalance ($\pm$) ¹		0.37	0.5	dB, max.
Phase Unbalance ($\pm$) ¹		5.9	12	Degree, max.
Input Power (CW) ²		10		W, max.
Combining Power (CW) ²		0.075		W/port, max.
Internal Dissipation		1		W, max.
DC Current		0.100		A/port, max.

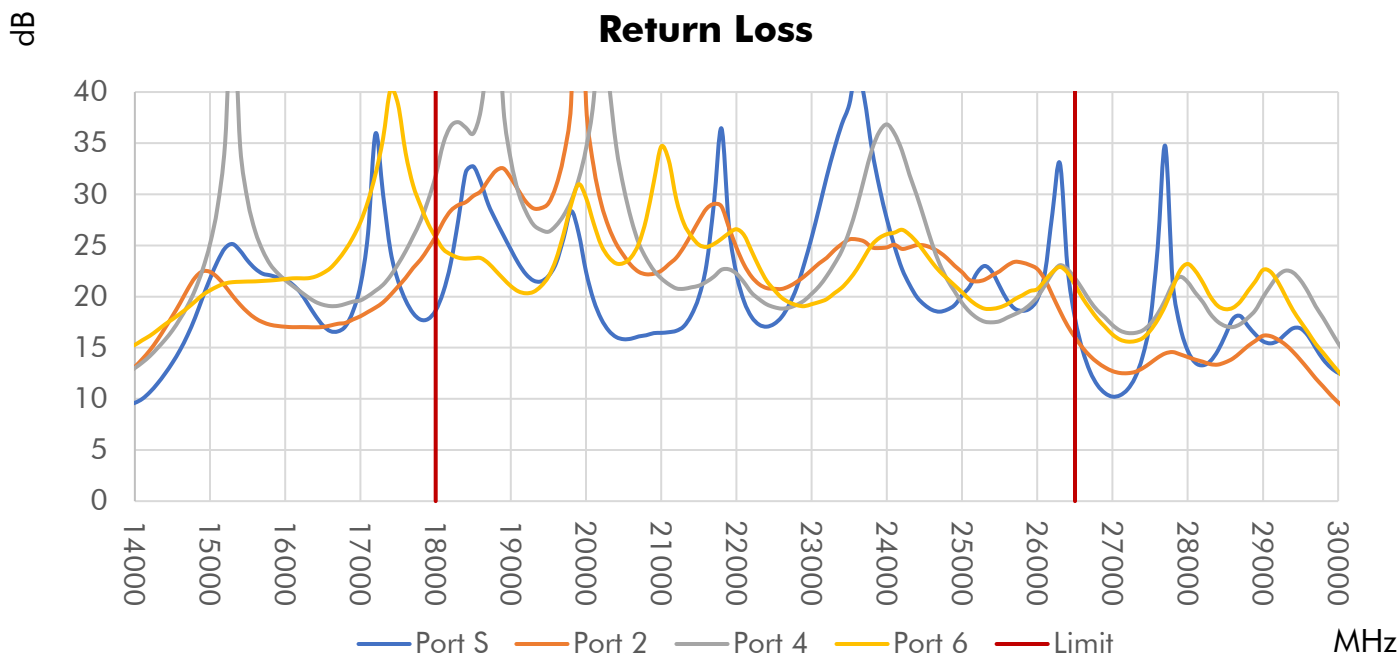
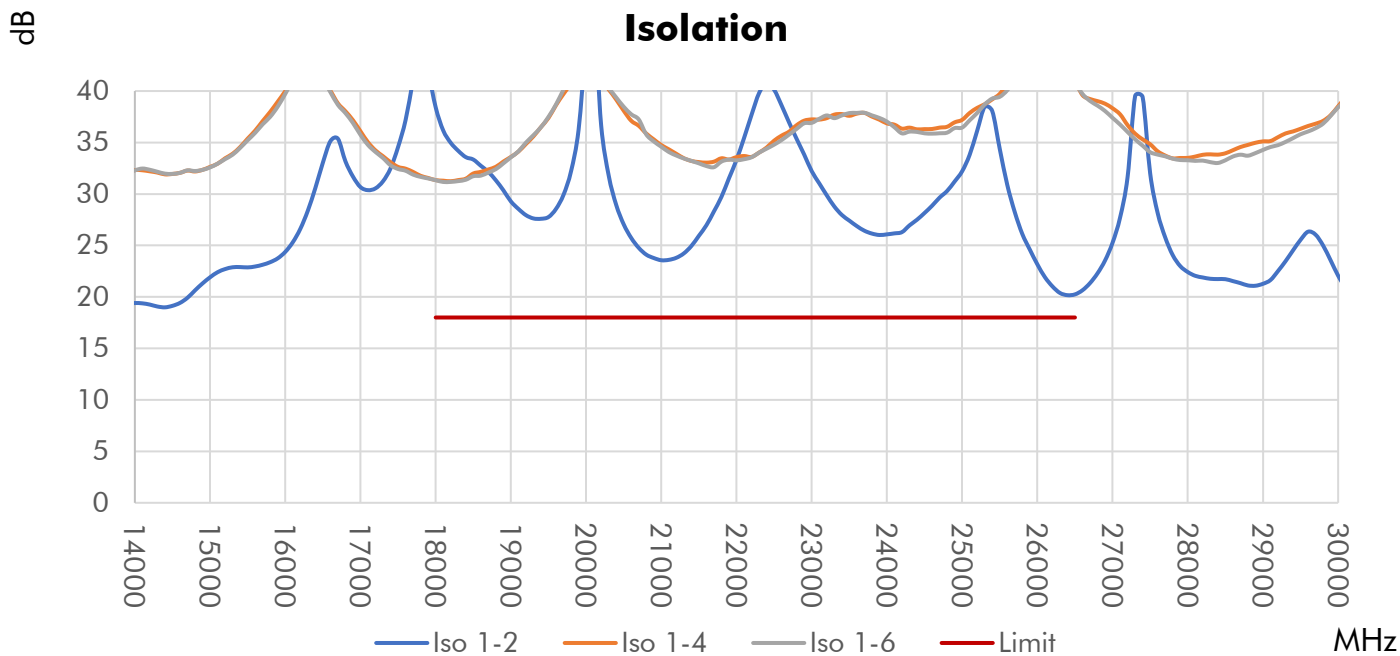
Connector Interface	SMA Female
Operating Temperature ³	-55 to +85 °C
Storage Temperature	-55 to +100 °C
Nominal Weight	164 g (5.78 oz)
Operating Humidity	10-90% (non-condensing)
Operating Environment	Indoor Use Only
HTSUS Code	8548.00.0000
ECCN	EAR99

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

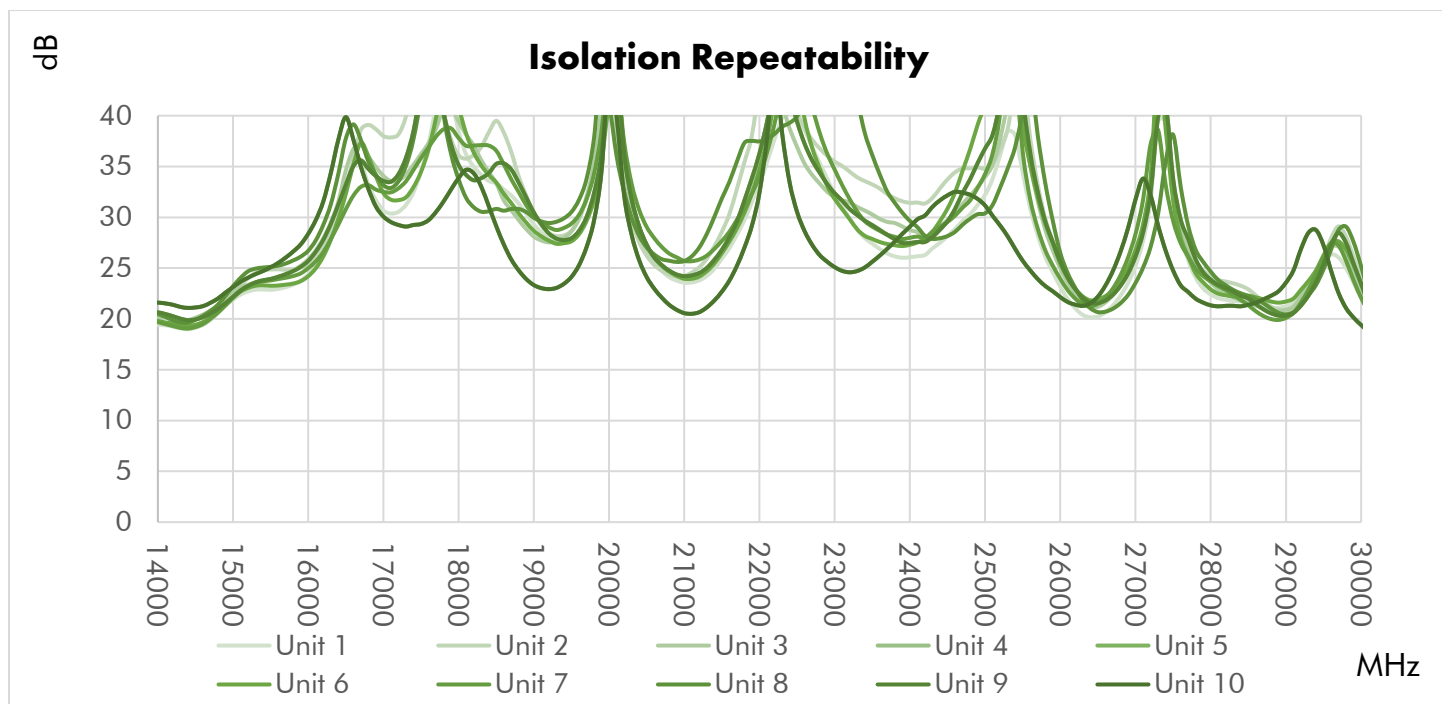
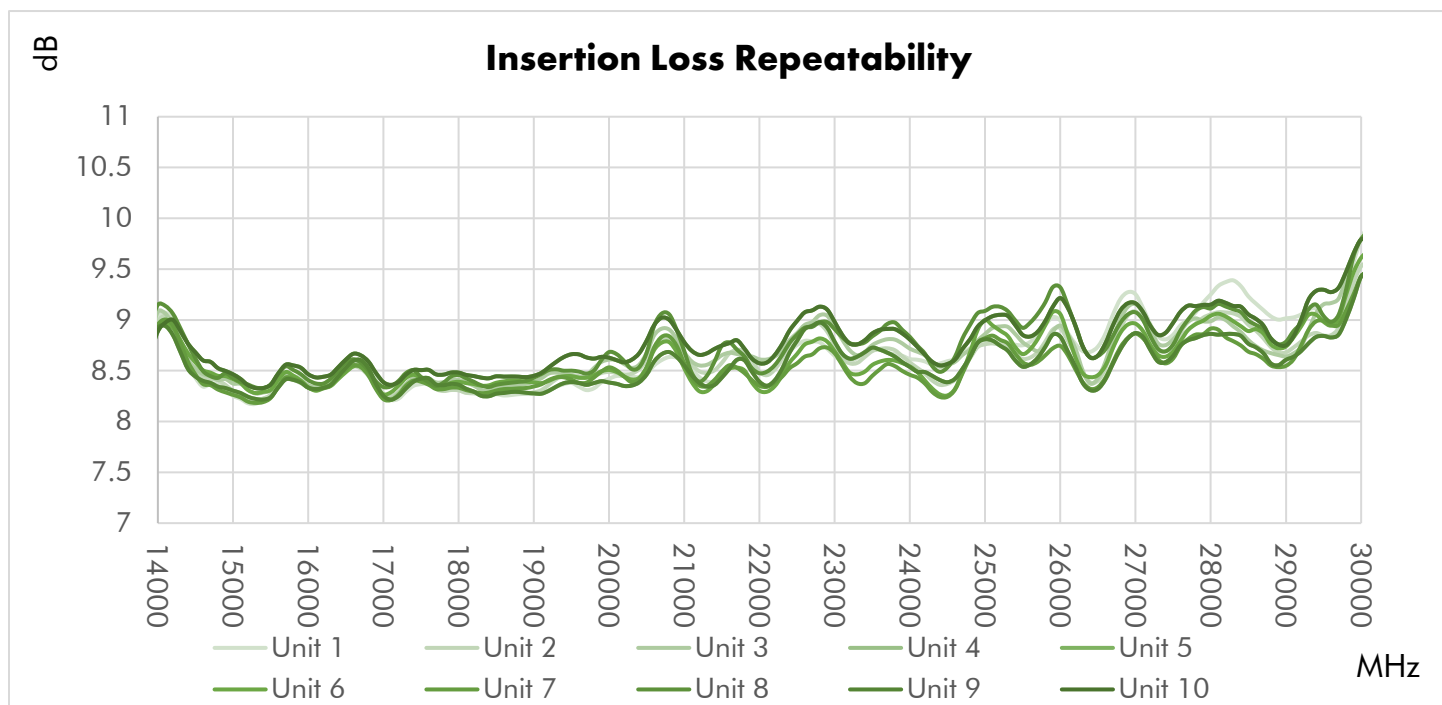
1. With reference to average.
2. All output ports should be terminated in a 50-ohm load with 1.2:1 max VSWR.
3. Electrical specifications are tested at +25 °C.
4. To the best of our knowledge at the time of publication.

Typical Performance at +25 °C





Repeatability in Production



Typical Performance Data

Frequency (MHz)	Return Loss (dB)				Total Loss (dB)			Isolation (dB)		
	Port S	Port 2	Port 4	Port 6	S-2	S-4	S-6	1-2	1-4	1-6
14000	9.61	13.13	13.01	15.28	9.02	9.24	9.03	19.41	32.32	32.29
15000	21.77	22.42	25.17	20.61	8.25	8.39	8.44	21.91	32.63	32.58
16000	21.67	17.05	21.61	21.72	8.34	8.49	8.36	24.38	39.99	39.72
17000	21.11	18.08	19.63	27.29	8.27	8.51	8.38	30.67	36.09	35.74
18000	18.64	25.88	31.81	25.79	8.31	8.53	8.47	38.42	31.35	31.34
19000	24.59	31.60	33.32	21.02	8.27	8.52	8.46	29.27	33.60	33.57
20000	22.40	38.81	34.52	29.65	8.42	8.57	8.53	44.36	41.92	42.31
21000	16.45	22.53	21.78	34.69	8.59	8.90	8.67	23.56	34.75	34.59
22000	22.20	24.77	22.24	26.58	8.48	8.87	8.63	33.31	33.58	33.27
23000	25.81	22.61	20.28	19.26	8.65	8.94	8.77	32.22	37.25	36.91
24000	27.56	24.81	36.83	26.10	8.62	8.74	8.52	26.08	36.85	37.03
25000	20.13	22.38	19.36	20.41	8.80	9.19	8.88	32.21	37.20	36.45
26000	19.74	22.70	19.96	20.73	8.99	8.86	8.70	23.17	42.87	42.20
27000	10.22	12.71	17.21	16.29	9.25	9.39	9.04	25.26	38.33	37.40
28000	14.70	14.09	21.41	23.19	9.25	9.18	8.73	22.42	33.51	33.28
29000	15.63	16.17	19.93	22.60	9.02	9.13	8.69	21.27	35.11	34.28
30000	12.55	9.66	15.45	12.70	9.80	9.39	9.16	22.06	38.52	38.42

Simplified Electrical Schematic

