

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

ESAT-8PD06265S

Description

Model ESAT-8PD06265S 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	
Isolation	--	14	19	--	dB
Amplitude Unbalance (\pm) ¹	6000-18000	--	0.3	0.8	dB
	18000-26500	--	0.6	1.2	
Phase Unbalance (\pm) ¹	6000-18000	--	4	10	Degree
	18000-26500	--	8	12	
Input Power (CW) ²	--	--	--	10	W

Mechanical

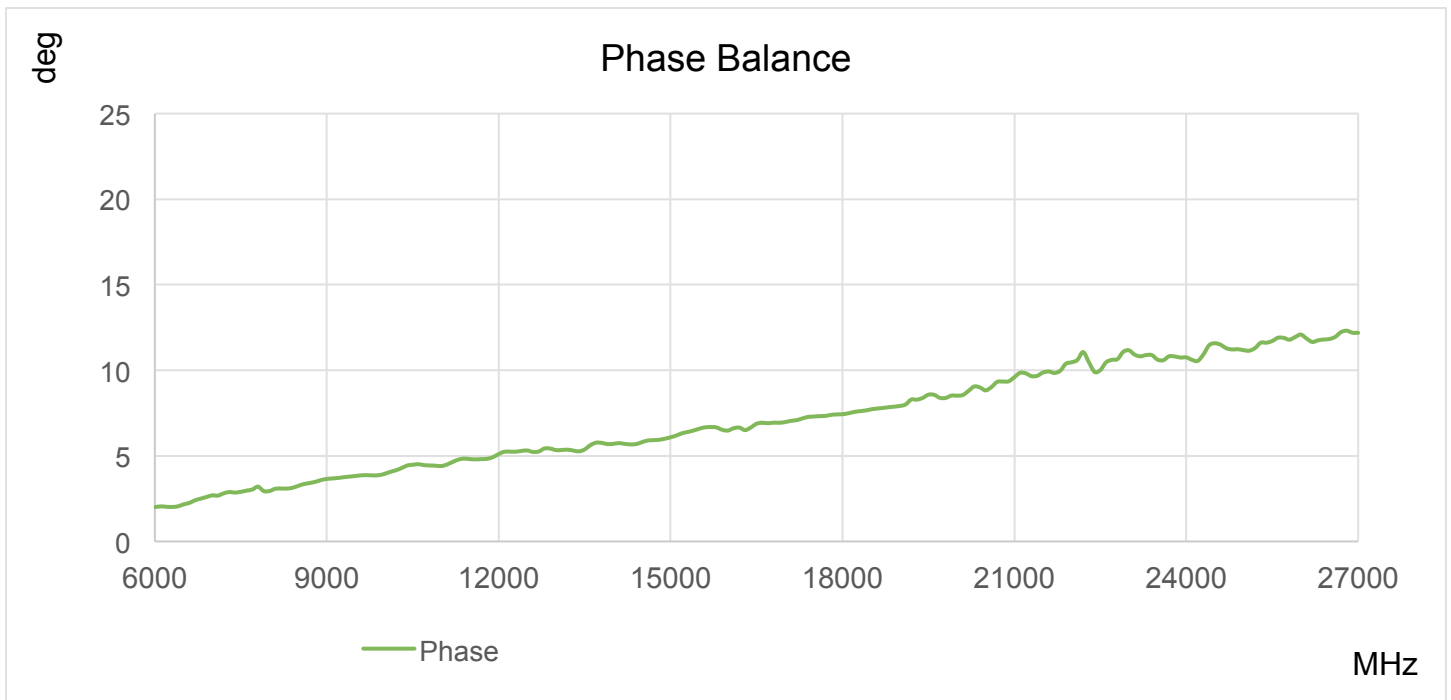
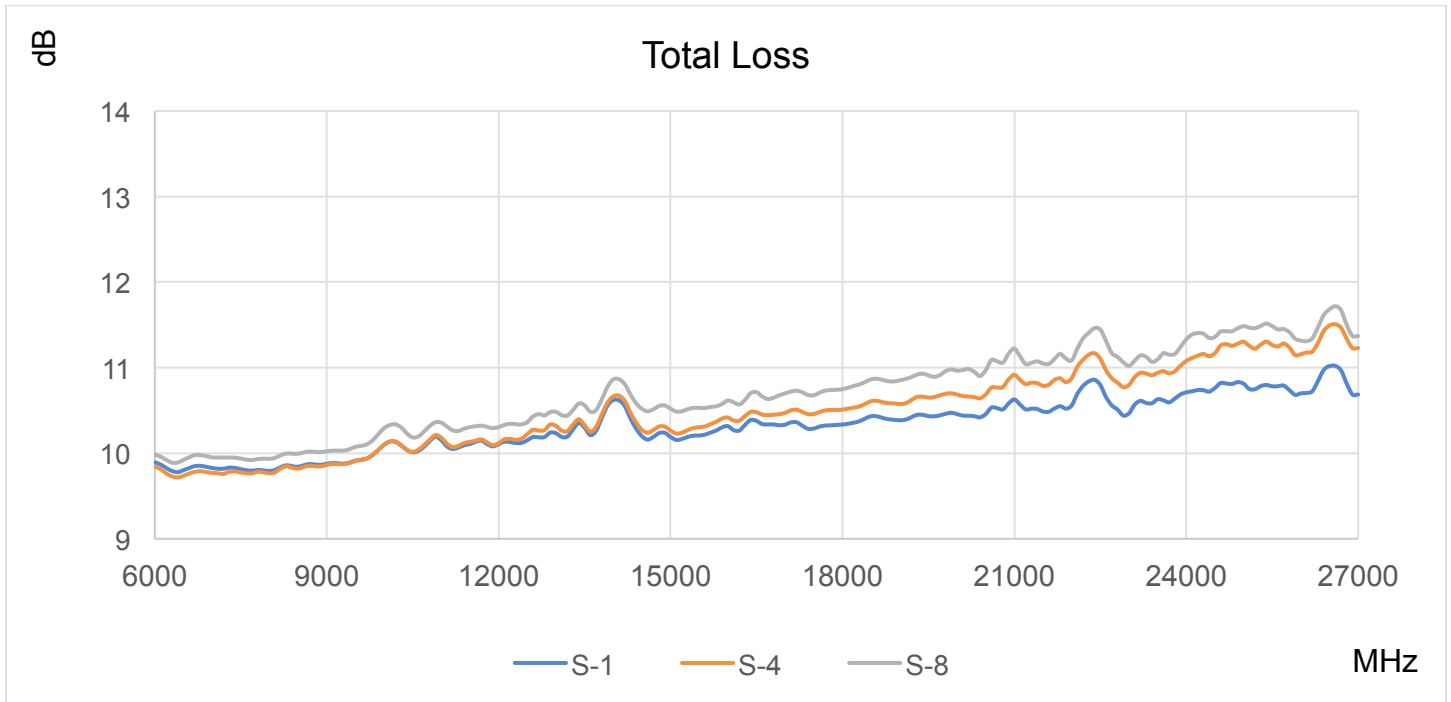
Connector Interface	SMA-Female
Operating Temperature ³	-55 to +85 °C
Storage Temperature	-55 to +100 °C
Weight Estimate	8.1 oz (230 g)
Humidity	10-90% non-condensing
Environment	Indoors Use Only
CAGE Code	87MG8

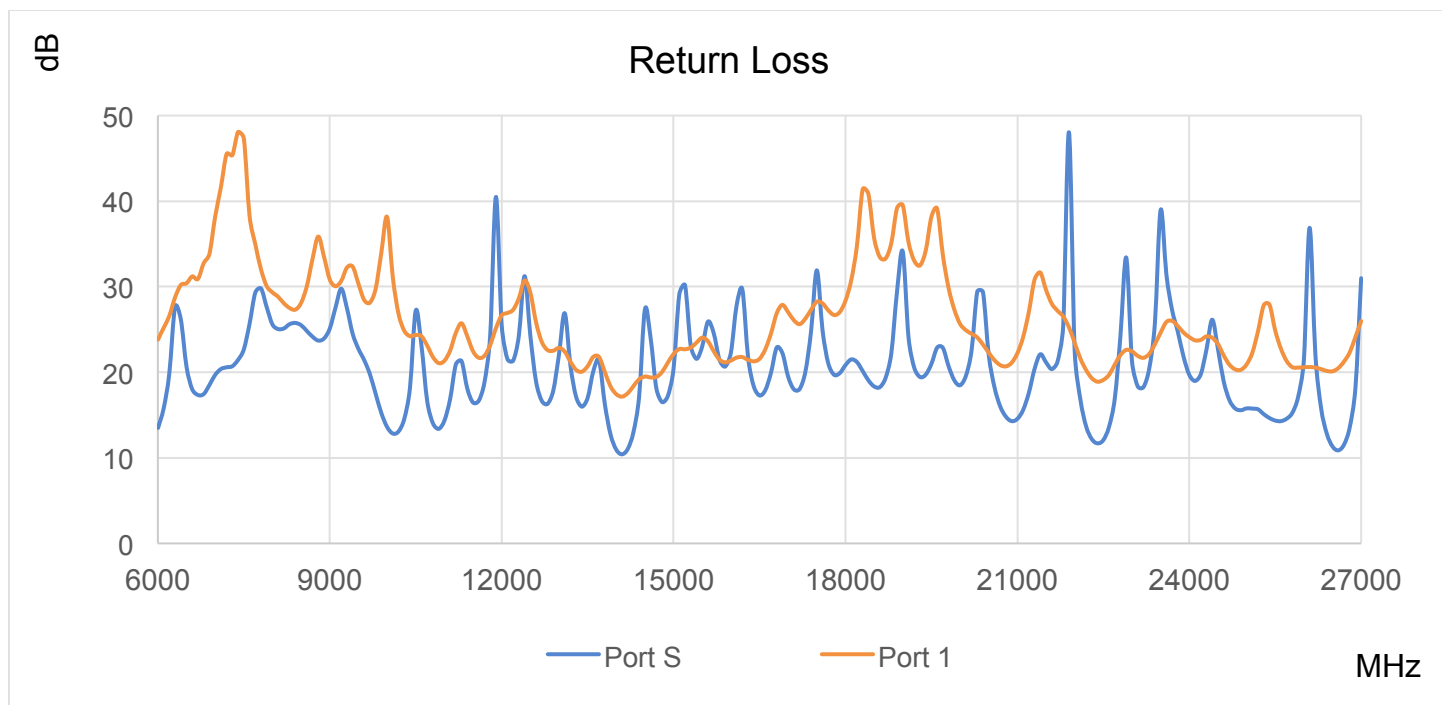
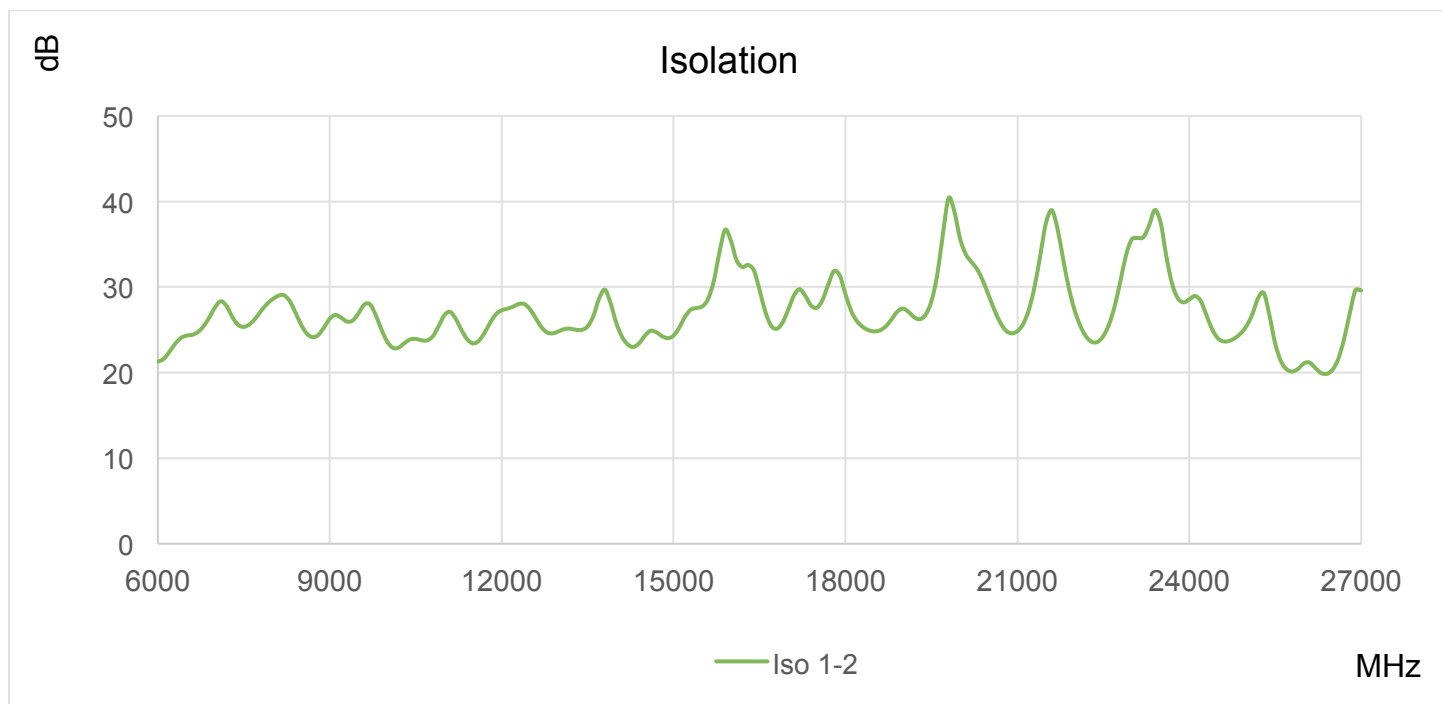
Materials

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

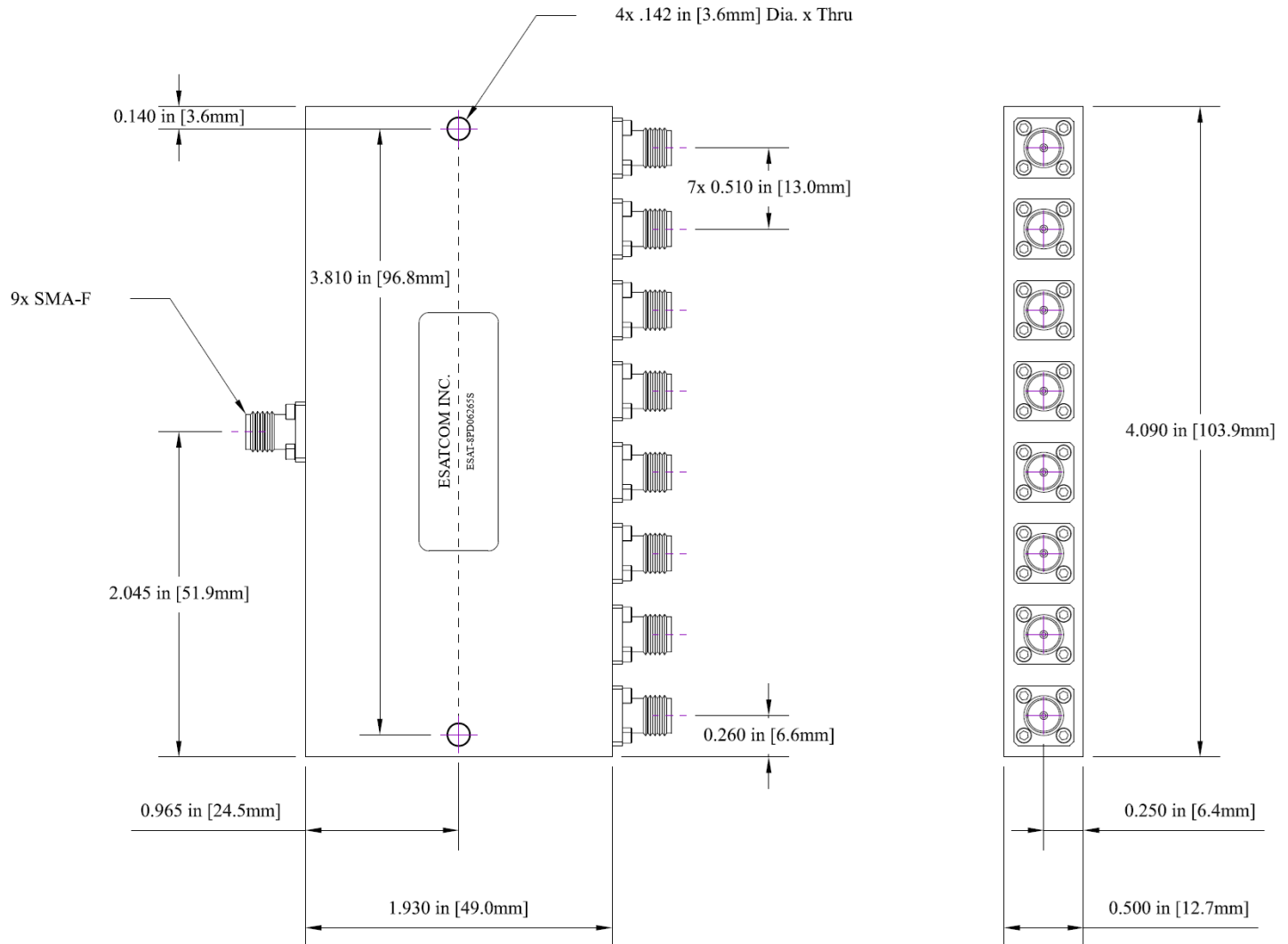
1. With reference to average.
2. All output ports should be terminated in a 50-ohm load with 1.2:1 max VSWR.
3. Electrical specifications at +25 °C.
4. To the best of our knowledge at the time of publication.

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: $\pm .015$.

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