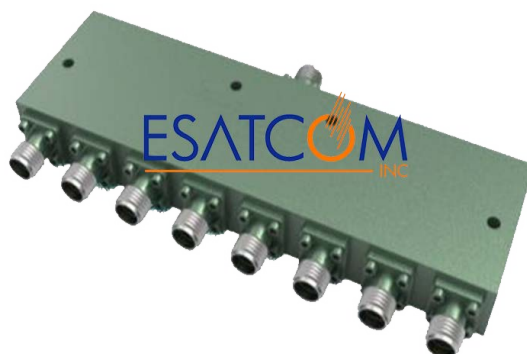


Power Divider, 8-way, 18-40 GHz, 2.92 Female, 50Ω

ESAT-8PD1840K



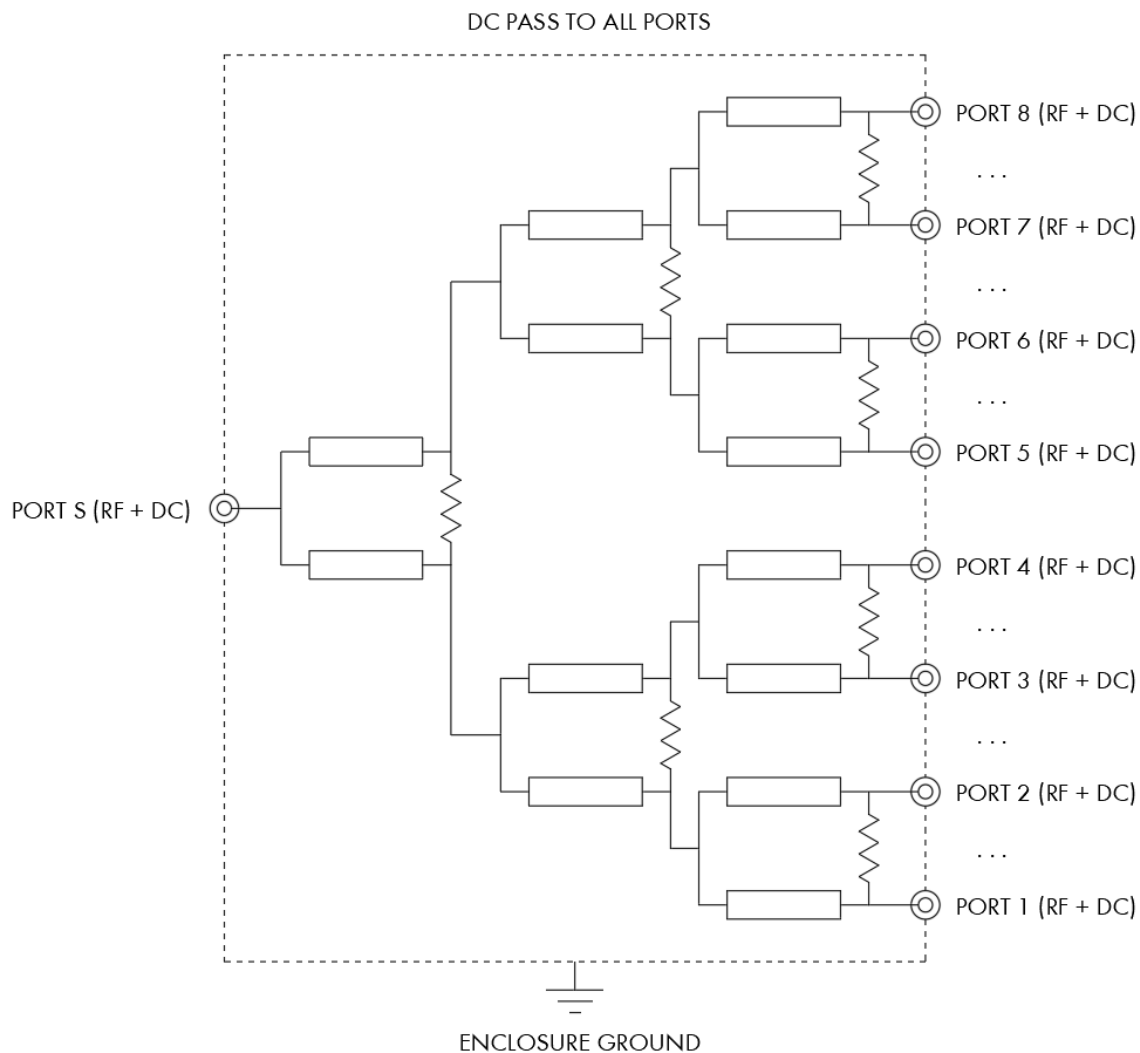
Parameter	Low Band	High Band	Unit
Frequency Range	18000-26500	26500-40000	MHz
Impedance	50		Ω
Return Loss (Port S)	11.7 (1.7:1)		dB, min.
Return Loss (Port 1-8)	11.7 (1.7:1)		dB, min.
Insertion Loss above 9.0 dB	2.4	3.2	dB, max.
Isolation	16	16	dB, min.
Amplitude Unbalance (±) <sup>1</sup>	0.6	0.8	dB, max.
Phase Unbalance (±) <sup>1</sup>	8	10	Degree, max.
Input Power (CW) <sup>2</sup>	10		W, max.

Connector Interface	2.92mm Female
Operating Temperature <sup>3</sup>	-55 to +85 °C
Storage Temperature	-55 to +100 °C
Nominal Weight	230 g (8.1 oz)
Operating Humidity	10-90% (non-condensing)
Operating Environment	Indoor Use Only
HTSUS Code	8548.00.0000
ECCN	EAR99

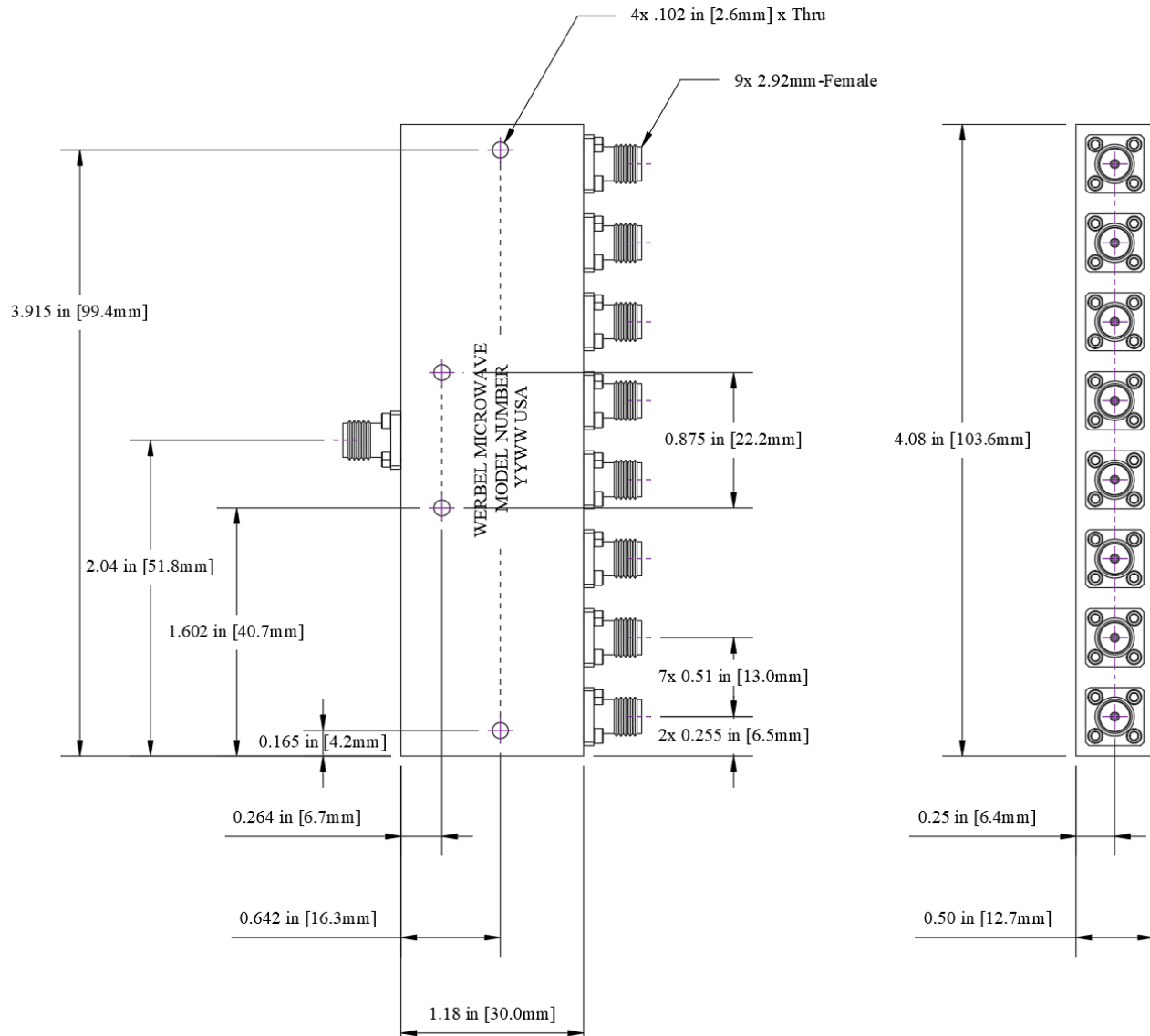
RoHS Status <sup>4</sup>	RoHS3 Compliant
REACH Status <sup>4</sup>	REACH Unaffected
Enclosure Material	Aluminum
Connectors Material	Stainless Steel
Contacts Material	Beryllium Copper, Gold Plated
Insulators Material	Virgin PTFE
Finish	Green Paint
Country of Origin	United States of America

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.

## Simplified Electrical Schematic



## Outline Dimensions



Outline drawing: OL-08-1840

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

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

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