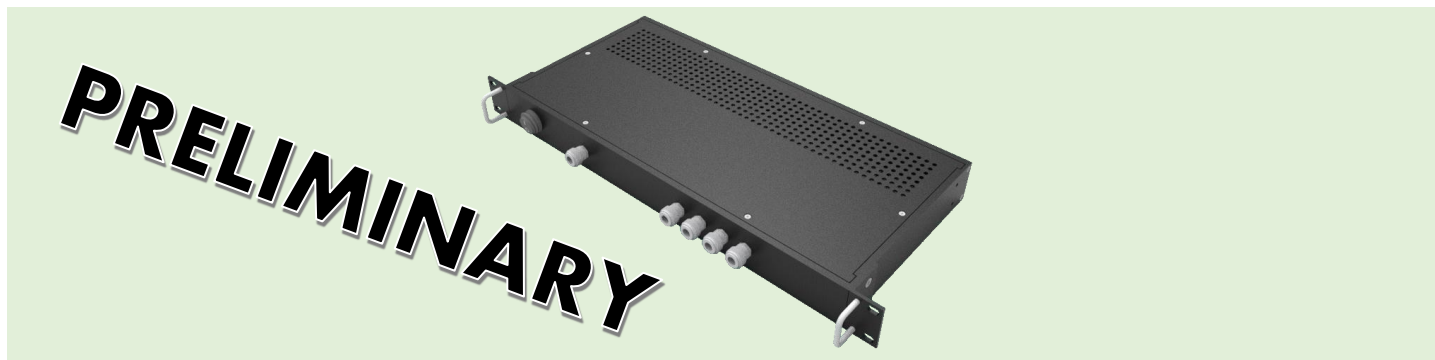


C Band 1:4 Active Combiner, 1U Rack Mount Enclosure

WMU-101



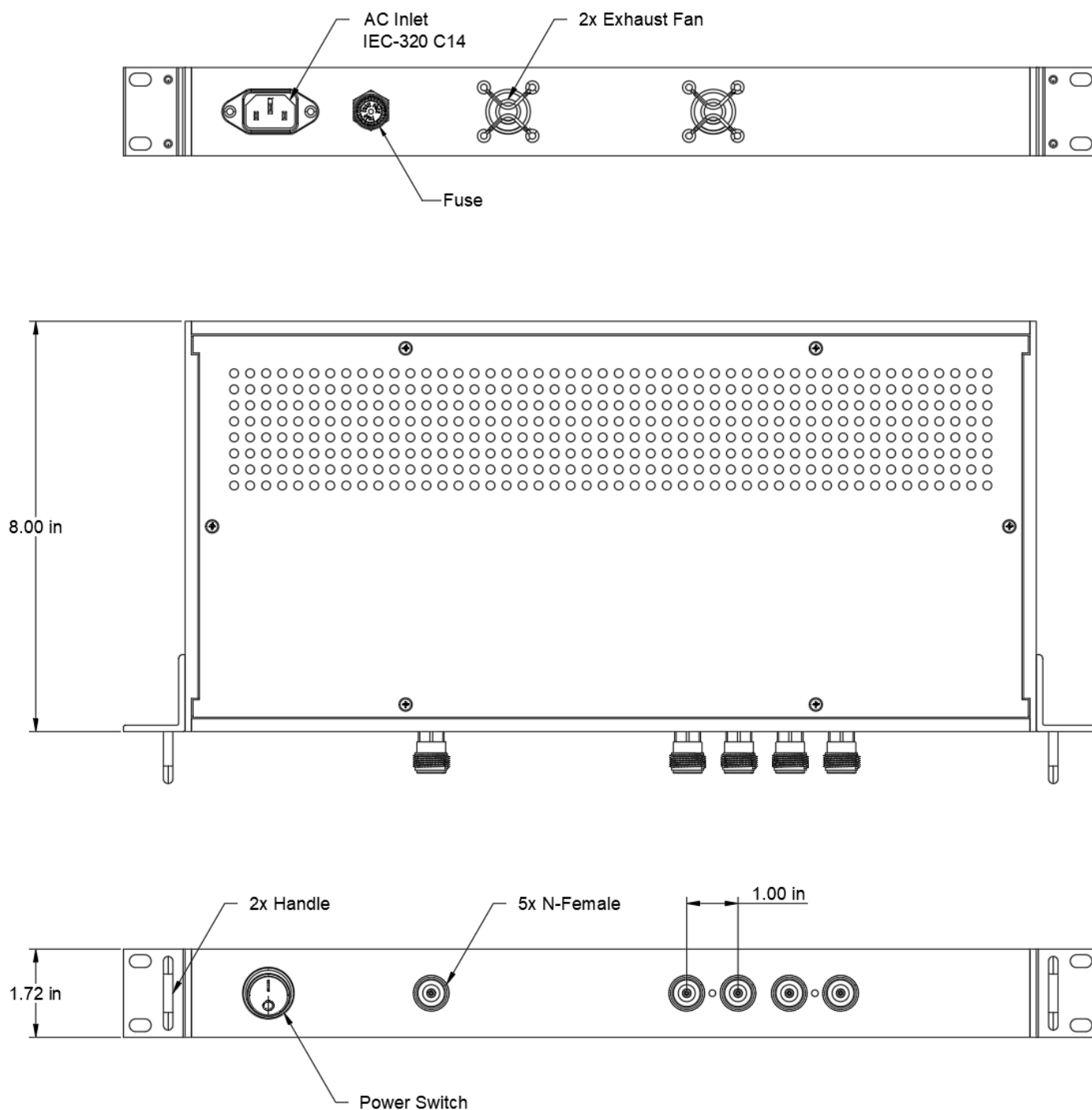
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	5800		6500	MHz
Impedance		50		Ω
Return Loss (Port 0)		15		dB
Return Loss (Port 1-4)		15		dB
Gain	0	0.5		dB
Gain Flatness		± 1		dB
Isolation	22			dB
Amplitude Unbalance ($\pm$) ¹		0.25		dB.
Phase Unbalance ($\pm$) ¹		2		Degree

Specification		Specification	
Power Supply	100-240VAC; 50/60 Hz	Power Connector	IEC C14 Inlet
Fuse	2A, 250VAC	Power Consumption	50W Max
DC Blocking	All ports; +50 VDC max.	Input Power (no Damage)	-20 dBm, max.

Connector Interface	N Female	RoHS Status ⁴	RoHS3 Compliant
Operating Temperature ³	-0 to +50 °C	REACH Status ⁴	REACH Unaffected
Storage Temperature	-20 to +60 °C	Enclosure Material	Aluminum/Steel
Nominal Weight	3.4 kg (7.5 lb.)	Connectors Material	Stainless Steel
Operating Humidity	10-90% (non-condensing)	Contacts Material	Beryllium Copper, Gold Plated
Operating Environment	Indoor Use Only	Insulators Material	Virgin PTFE
HTSUS Code	8543.70.99	Finish	Black Paint
ECCN	EAR99	Country of Origin	USA

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.

Outline Dimensions

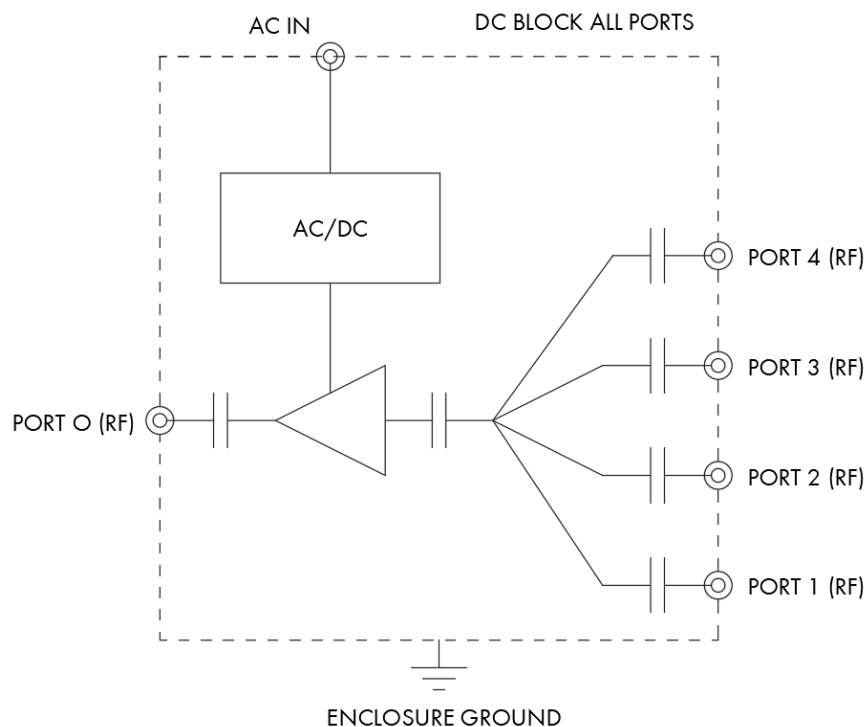


Outline drawing: OL-U-1-1X4-N

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

Tolerances on 2-pl decimals: ± 0.03 . 3-pl decimals: ± 0.015 .

Simplified Electrical Schematic



ATTENTION

Observe precautions for handling electrostatic sensitive devices.

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.