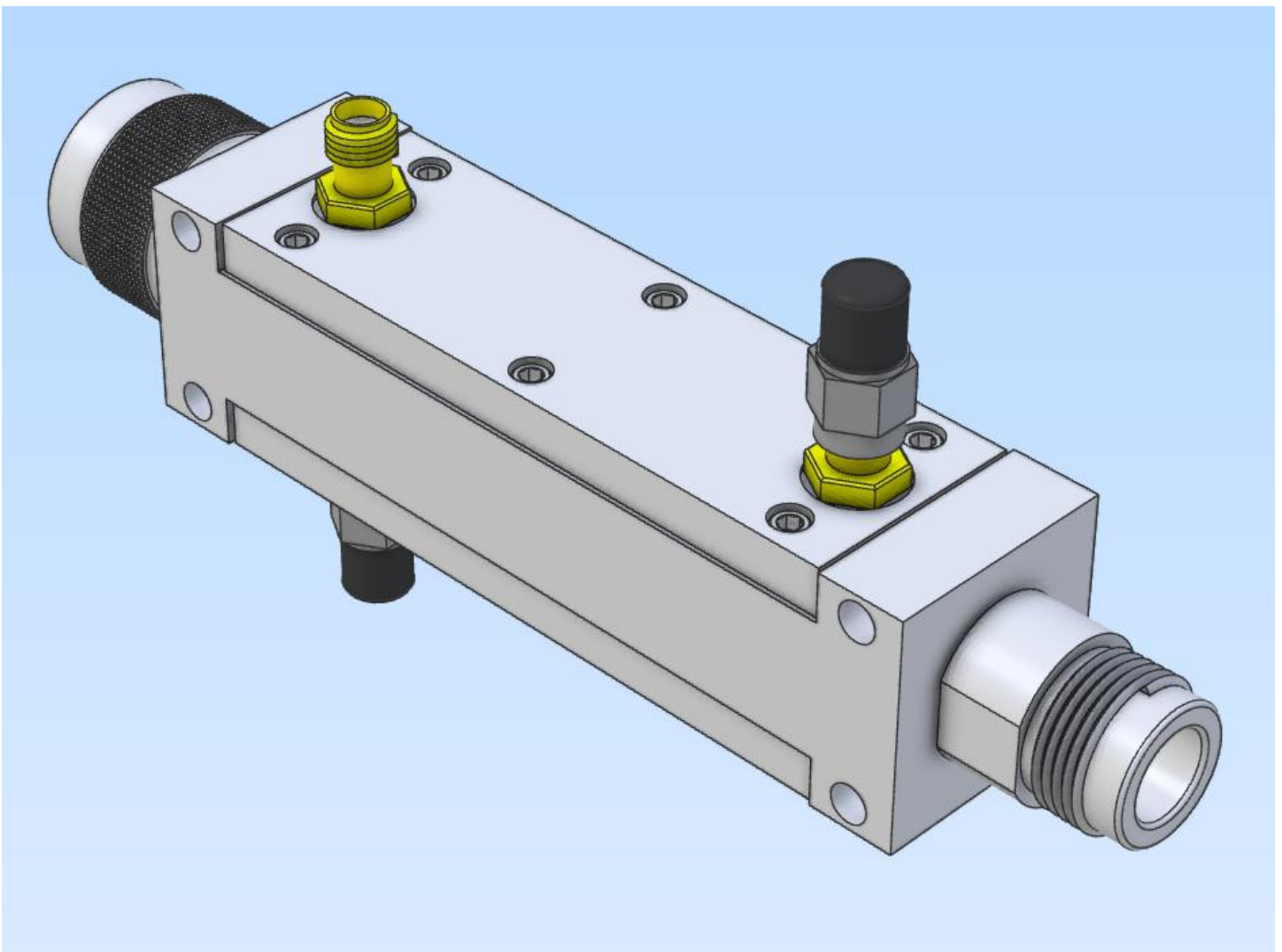


High Power Dual Directional Coupler Datasheet

WMHPDDC30-1020-NMFS

Features

- 400 watts average power handling.
- DC Passing from Input to Output.
- Air dielectric.
- Dual directional.
- 1 year warranty.
- Made in USA.



Product in current development. 3D rendering is presented. Some features omitted for clarity.



Electrical Specifications (at +25 °C)	Min	Typ.	Max	Units
Frequency Range	1000		2000	MHz
Impedance		50		Ohm
Coupling	28.25	30	31.75	dB
Mainline Loss ¹			0.2	dB
Directivity	20			dB
Mainline Return Loss (In and Out)	20			dB
Secondary Line Return Loss	20			dB
Isolation		50		dB
Forward Power (Average) ²			400	W
Reverse Power (Average) ²			400	W
Termination Power			1	W
DC Current (In to Out)			10	A

Mechanical	Specification
Environment	Indoor Use
Humidity	10 - 90% non-condensing
Operating Temperature ³	-55 to +85 °C
Storage Temperature	-55 to +100 °C
Finish	Clear Chemical Conversion Film (Conductive)
In/Out Connectors	N Male/Female, Stainless Steel
Coupled Connector	SMA Female, Brass, Gold Plated
Estimated Weight	230 g (8.1 oz)

Regulatory	Specification
RoHS Compliant ⁴	Yes
REACH Compliance ⁴	Unaffected
ECCN	EAR99
HTSUS	8525.50.3035
Country of Origin	United States of America

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

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