



## DESCRIPTION

AMCOM's AM010200CP-20 is a broadband Directional coupler. It has 0.6dB insertion loss and 19.5 dB coupling over 1 to 20GHz band. The AM010200CP-20 is packaged in a small Aluminum housing with SMA connectors, and is a RoHS compliant product.

## FEATURES

- Broadband from 1 to 20GHz
- Power handling is 30W
- Typical 19.5dB coupling.
- Input & output matched to 50 Ohms

## APPLICATIONS

- Instrumentation
- Lab Measurements
- Device characterization

## TYPICAL PERFORMANCE \*

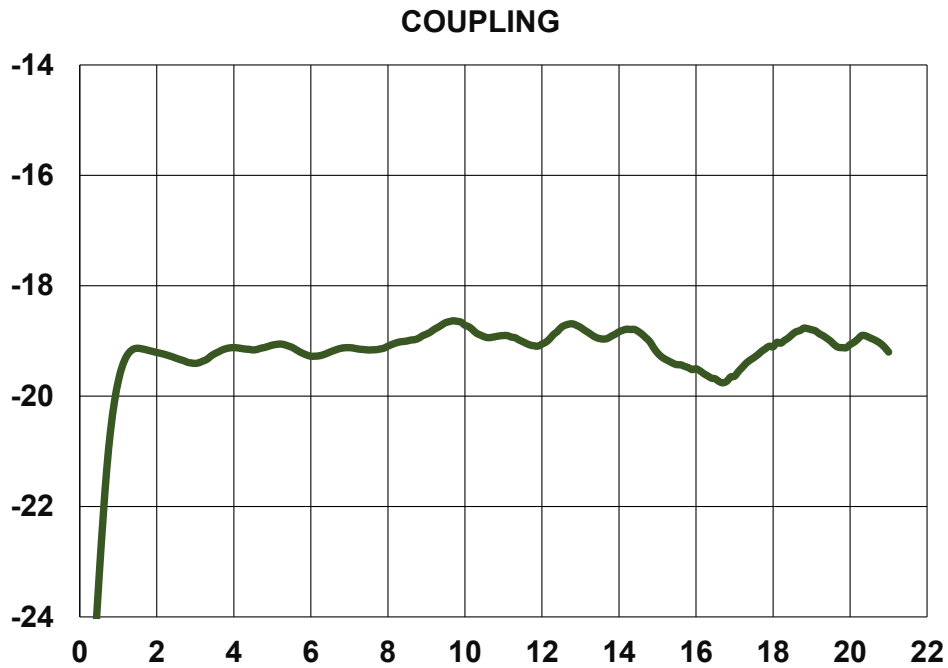
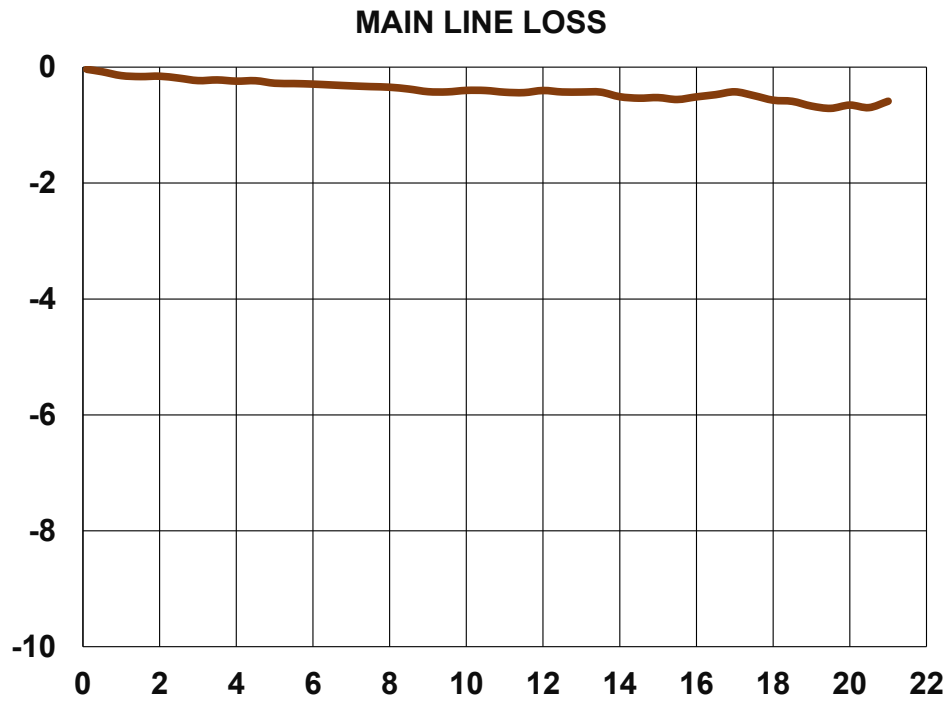
Parameters	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
Frequency (GHz)	1		8	8		15.5	15.5		20
Coupling (dB)	18.5	19.5	20.5	18.5	19.5	20.5	18.5	19.5	20.5
Flatness (dB)		±0.7	±1		±0.7	±1		±0.7	±1
Insertion Loss (dB)		0.35	0.55		0.45	0.65		0.6	0.9
Directivity (dB)	15	18		12	15		9	11	
Main ports VSWR		1.25:1	1.4:1		1.3:1	1.45:1		1.4:1	1.6:1
Coupled port VSWR		1.25:1	1.4:1		1.35:1	1.5:1		1.6:1	1.8:1

\* Specifications subject to change without notice

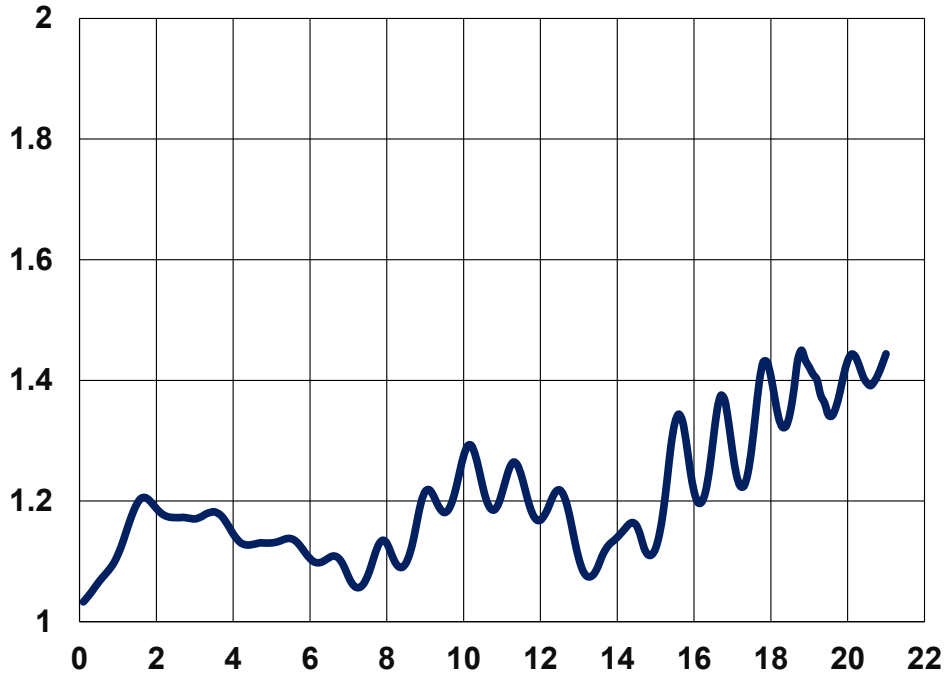
## ABSOLUTE MAXIMUM RATING

Parameters	Rating
Storage Temp (°C)	-55 to 100
Operating Temp (°C)	-55 to 85
RF Power CW (W)	30

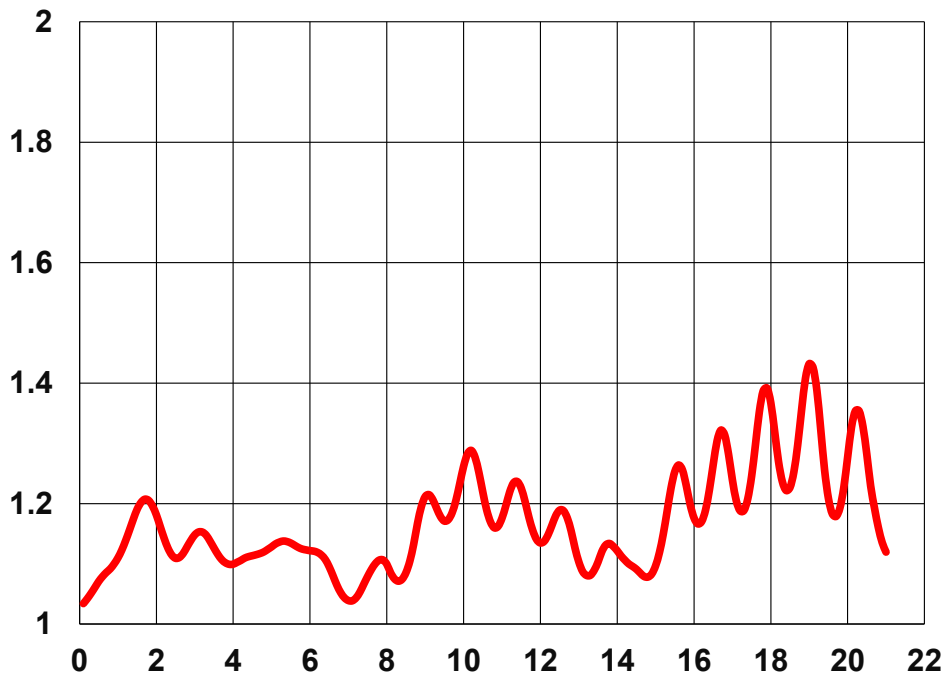
SMALL SIGNAL DATA\*



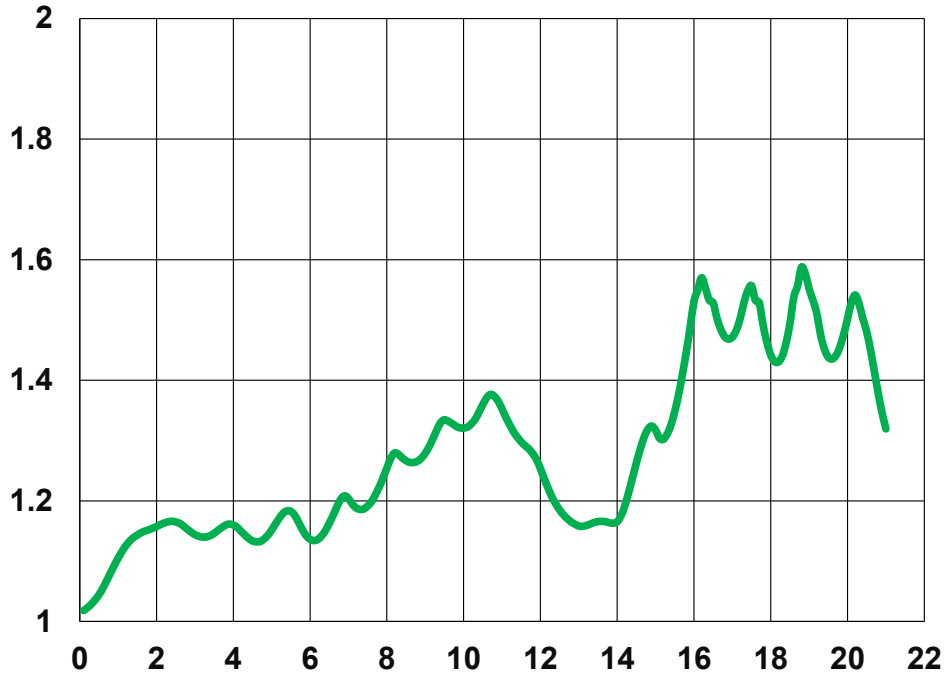
INPUT PORT VSWR



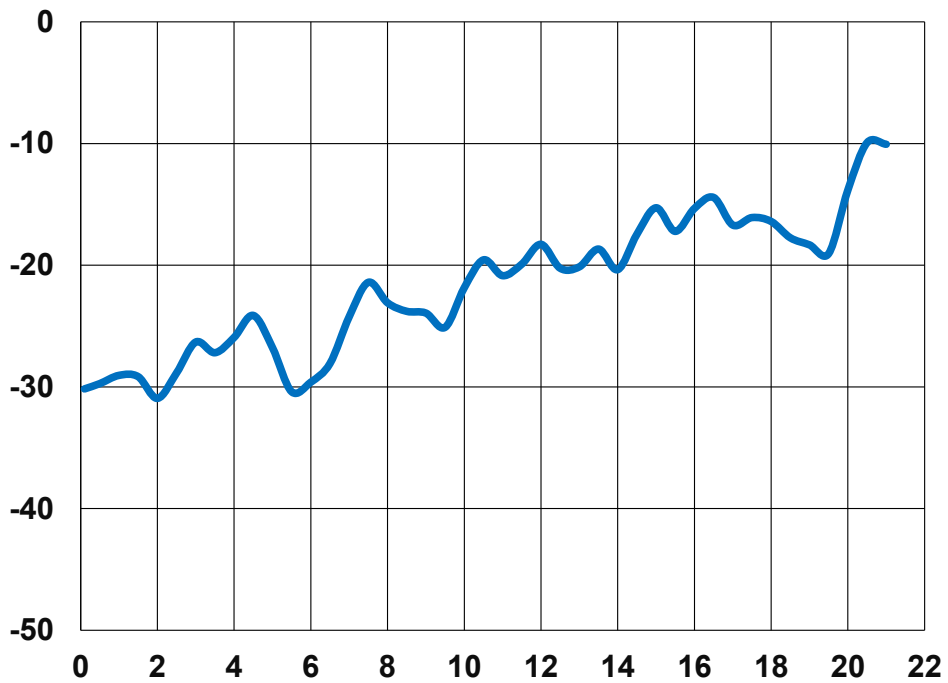
OUTPUT PORT VSWR



COUPLED PORT VSWR



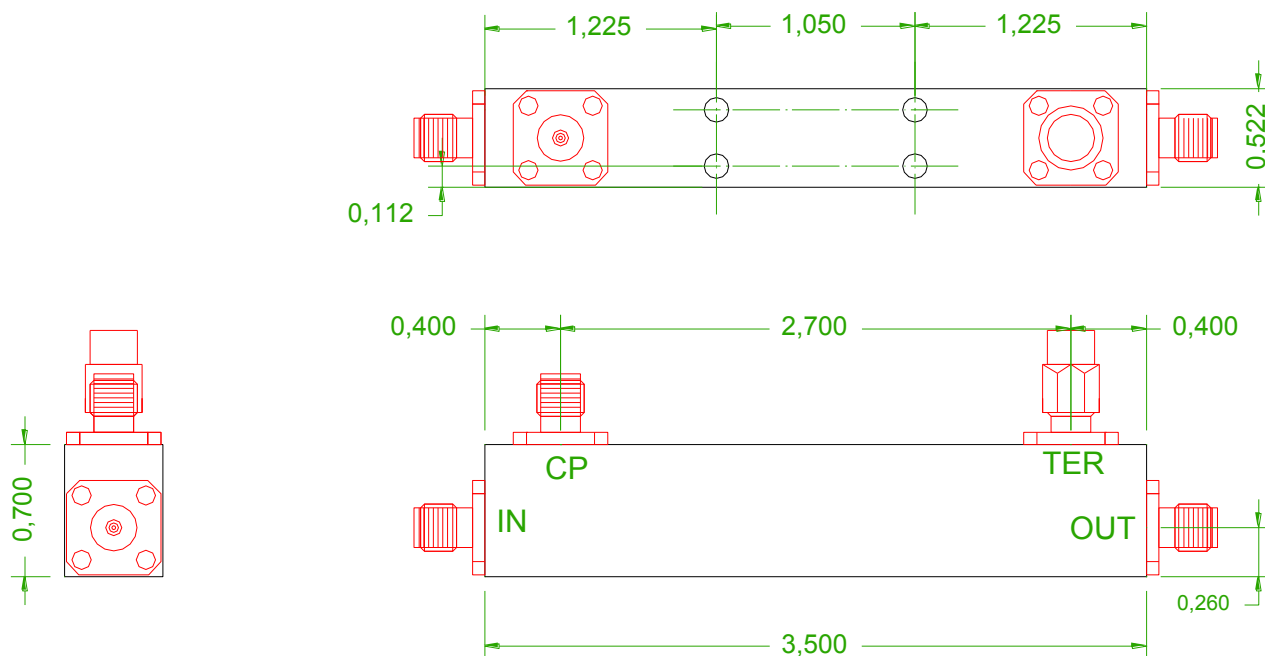
DIRECTIVITY



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PACKAGE OUTLINE\*



\*Dimensions are in inches