



## DESCRIPTION

AMCOM's AM010200CP-10 is a broadband Directional coupler. It has 0.9dB insertion loss and 10 dB coupling over 1 to 20 GHz band. The AM010200CP-10 is packaged in a small Aluminum housing with SMA connectors, and is a RoHS compliant product.

## FEATURES

- Broadband from 1 to 20.0GHz
- Power handling is 30W
- Typical 10dB coupling.
- Input & output matched to 50 Ohms

## APPLICATIONS

- Instrumentation
- Lab Measurements
- Device characterization

## TYPICAL PERFORMANCE \*

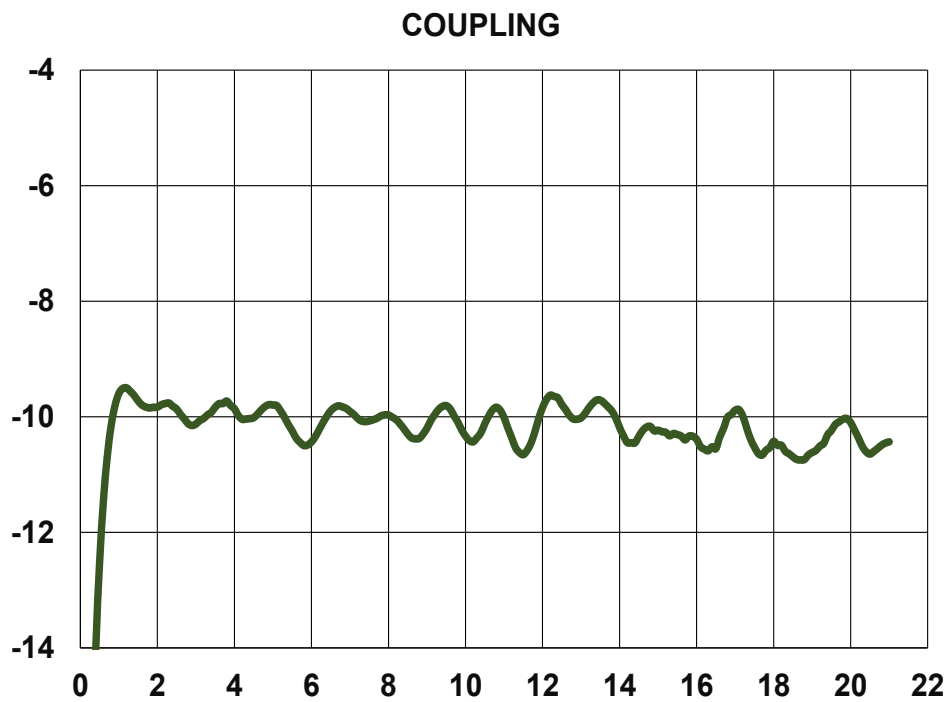
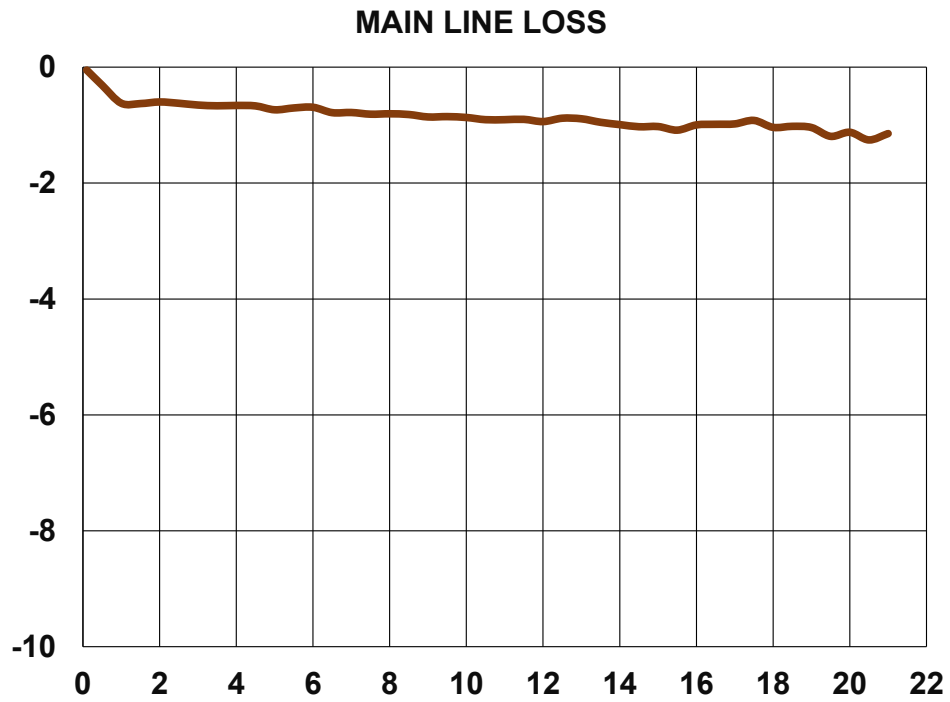
Parameters	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
Frequency (GHz)	1		8	8		12.4	12.4		20
Coupling (dB)	9	10	11	9	10	11	9	10	11
Flatness (dB)		±0.7	±1		±0.7	±1		±0.7	±1
Insertion Loss (dB)		0.7	1		0.9	1.2		1	1.3
Directivity (dB)	14	17		11	14		9	11	
Main ports VSWR		1.25:1	1.4:1		1.3:1	1.45:1		1.4:1	1.6:1
Coupled port VSWR		1.25:1	1.4:1		1.3:1	1.45:1		1.45:1	1.65:1

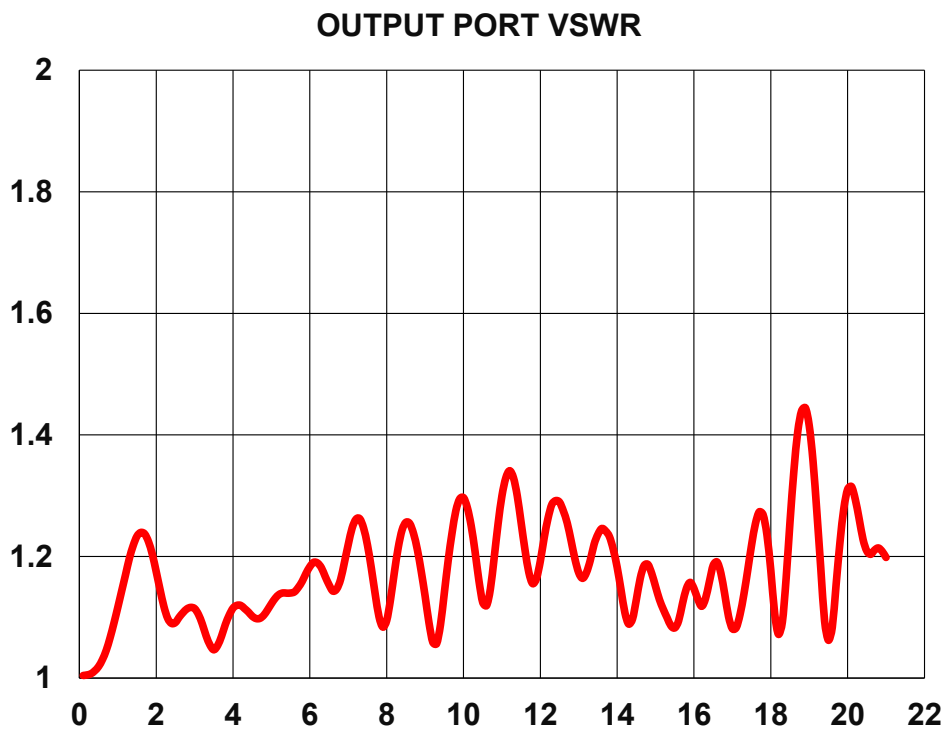
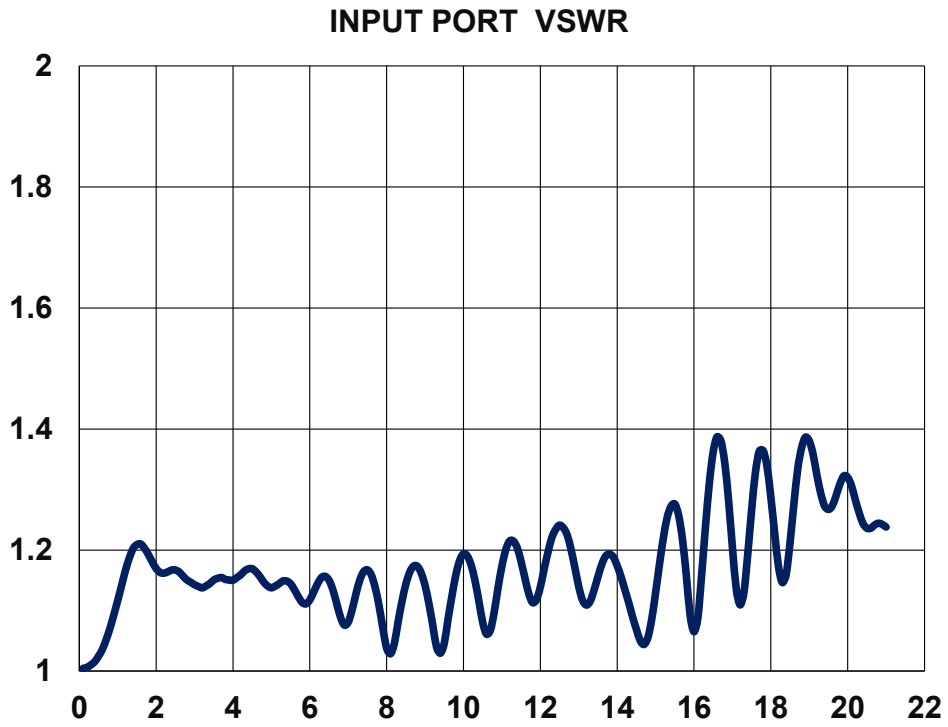
\* Specifications subject to change without notice

## ABSOLUTE MAXIMUM RATING

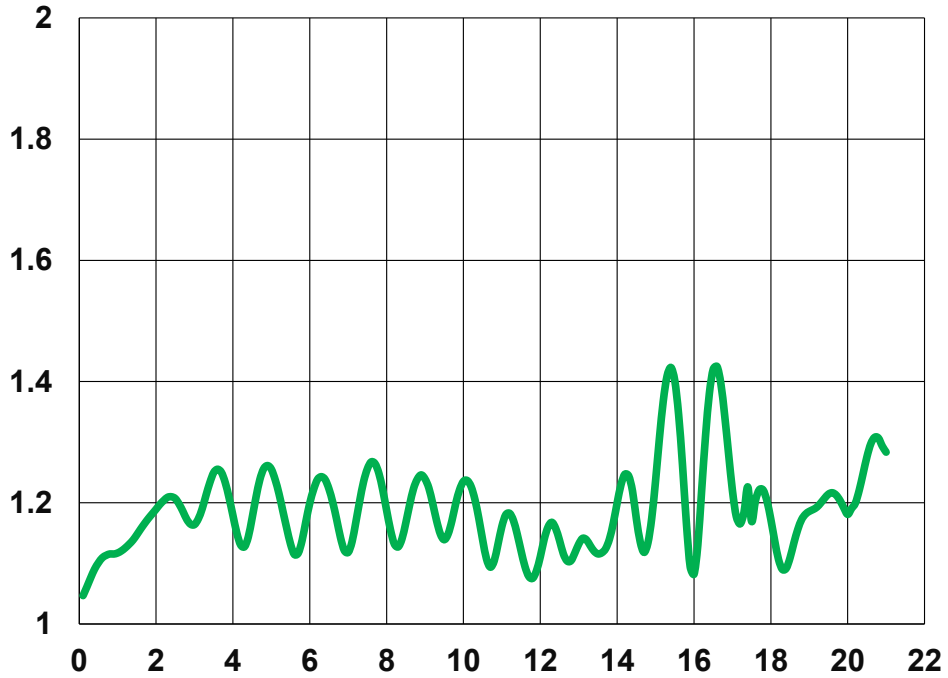
Parameters	Rating
Storage Temp (°C)	-55 to 100
Operating Temp (°C)	-55 to 85
RF Power CW (W)	30

SMALL SIGNAL DATA\*

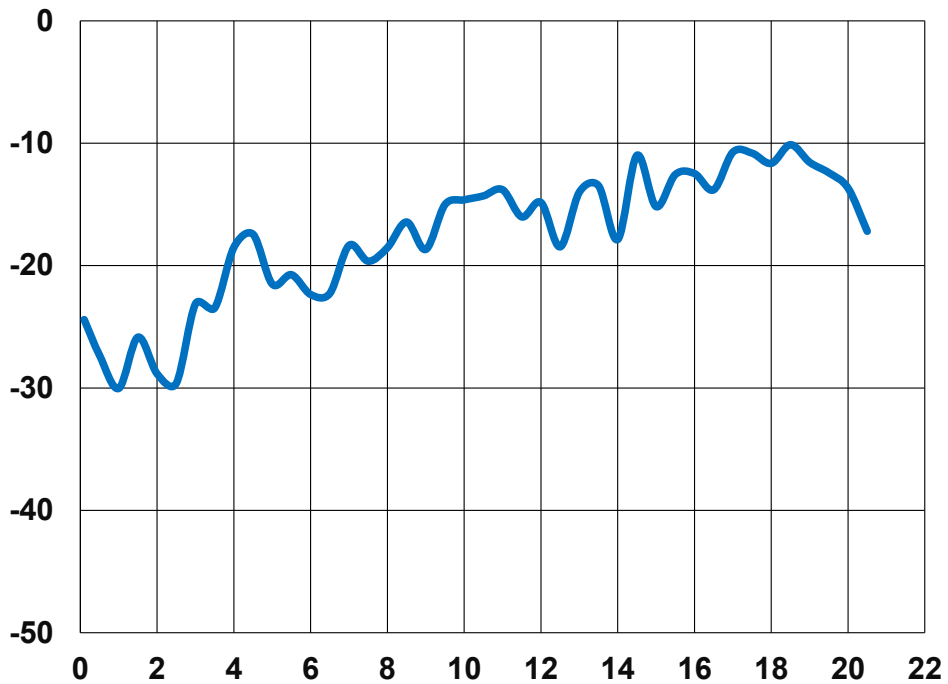




COUPLED PORT VSWR



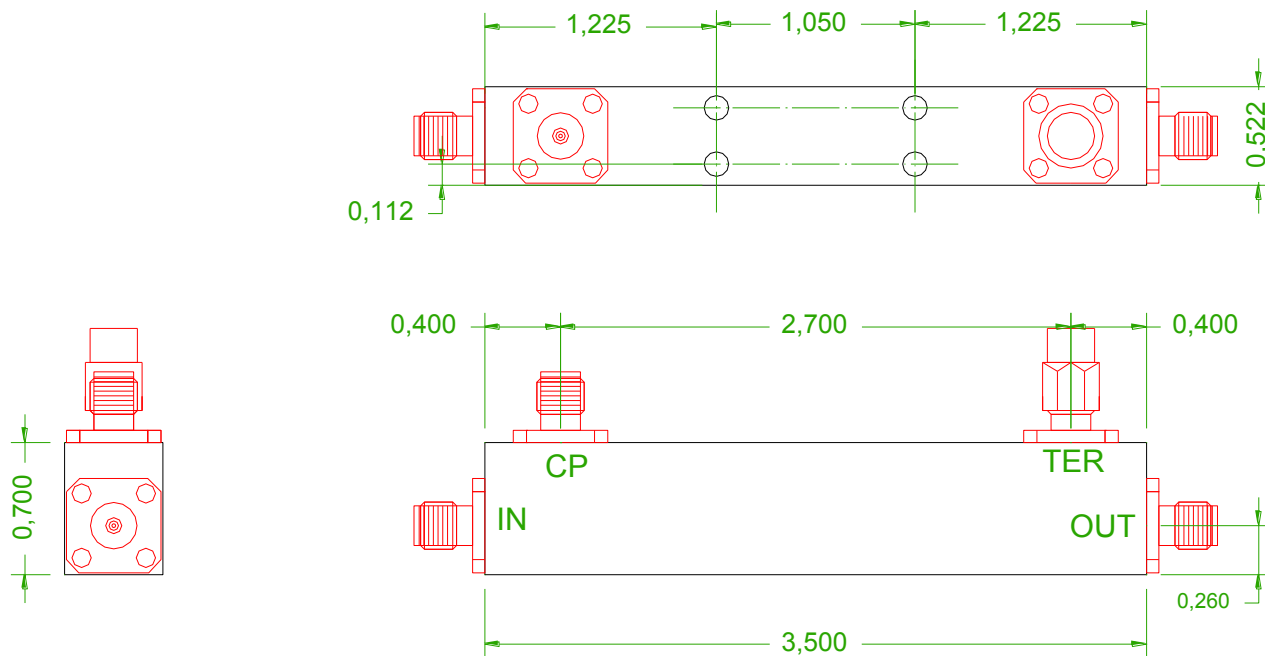
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PACKAGE OUTLINE\*



\*Dimensions are in inches