



DESCRIPTION

AMCOM's AM010200CP-30 is a broadband Directional coupler. It has 0.5dB insertion loss and 29.5 dB coupling over 1 to 20GHz band. The AM010200CP-30 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 29.5dB coupling.
- Input & output matched to 50 Ohms

APPLICATIONS

- Instrumentation
- Lab Measurements
- Device characterization

TYPICAL PERFORMANCE *

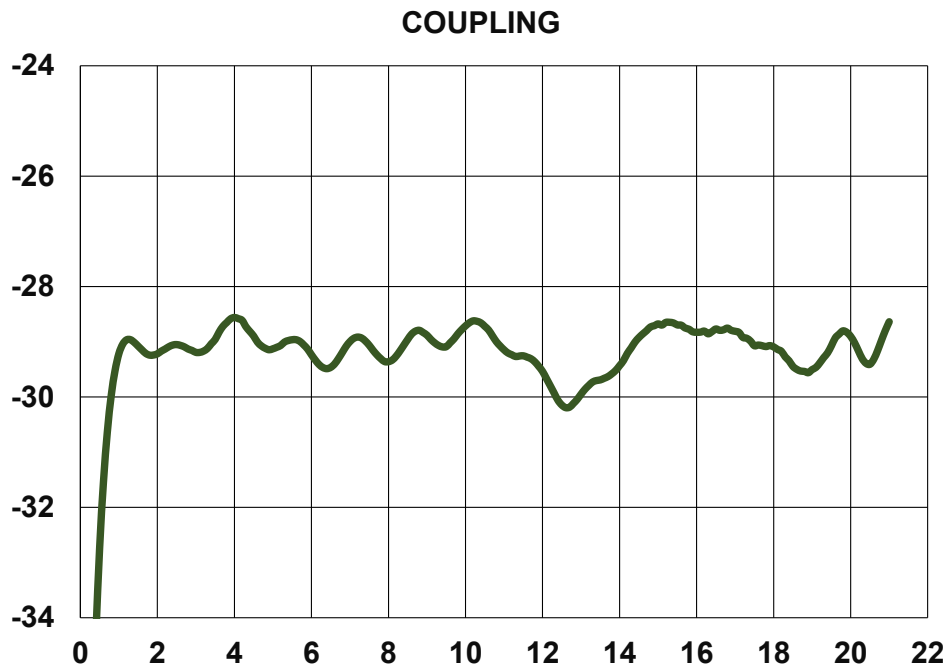
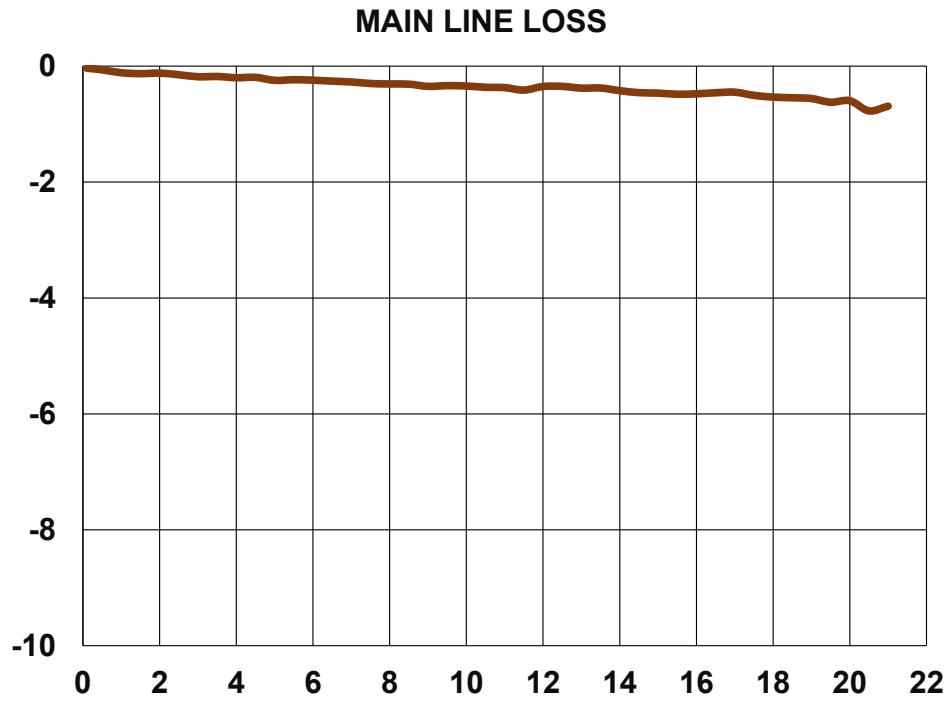
Parameters	Min	Typ	Max	Min	Typ	Max
Frequency (GHz)	1		12.4	12.4		20
Coupling (dB)	28.5	29.5	30.5	28.5	29.5	30.5
Flatness (dB)		±0.7	±1		±0.7	±1
Insertion Loss (dB)		0.35	0.55		0.5	0.85
Directivity (dB)	12	14		9	11	
Main ports VSWR		1.3:1	1.5:1		1.4:1	1.6:1
Coupled port VSWR		1.3:1	1.5:1		1.45:1	1.65:1

* Specifications subject to change without notice

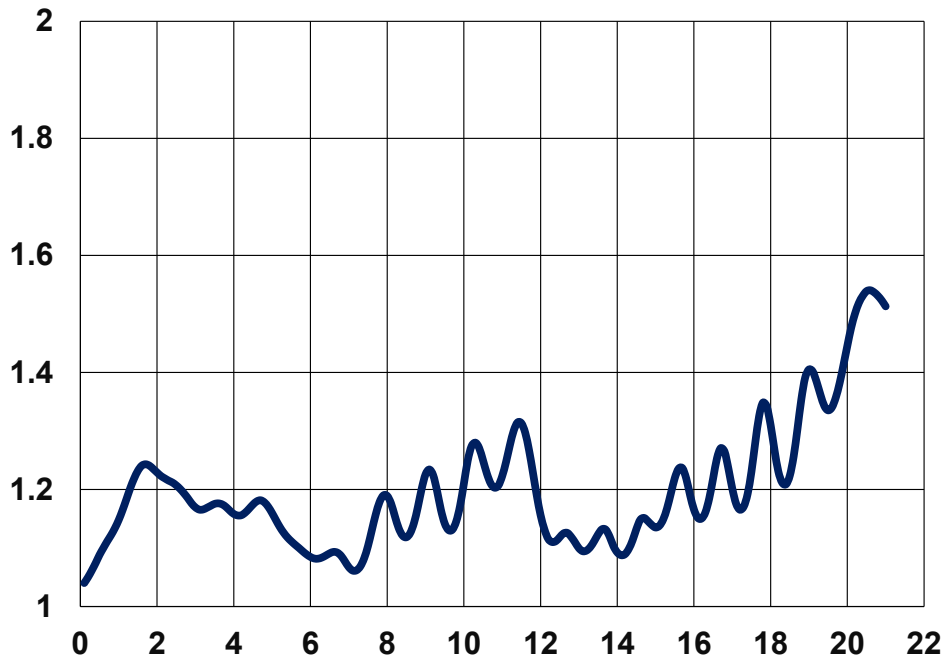
ABSOLUTE MAXIMUM RATING

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

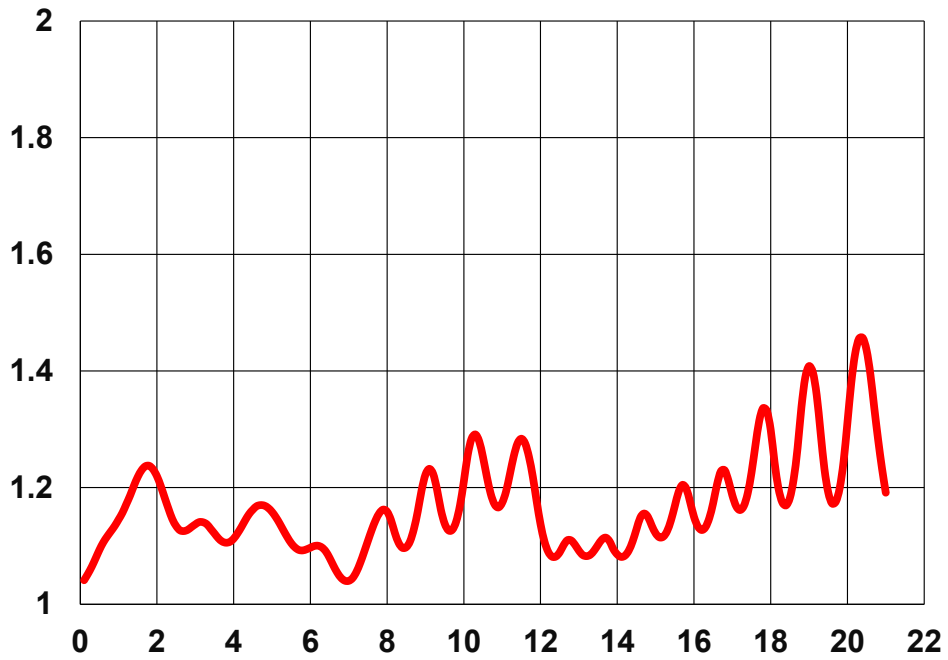
SMALL SIGNAL DATA*



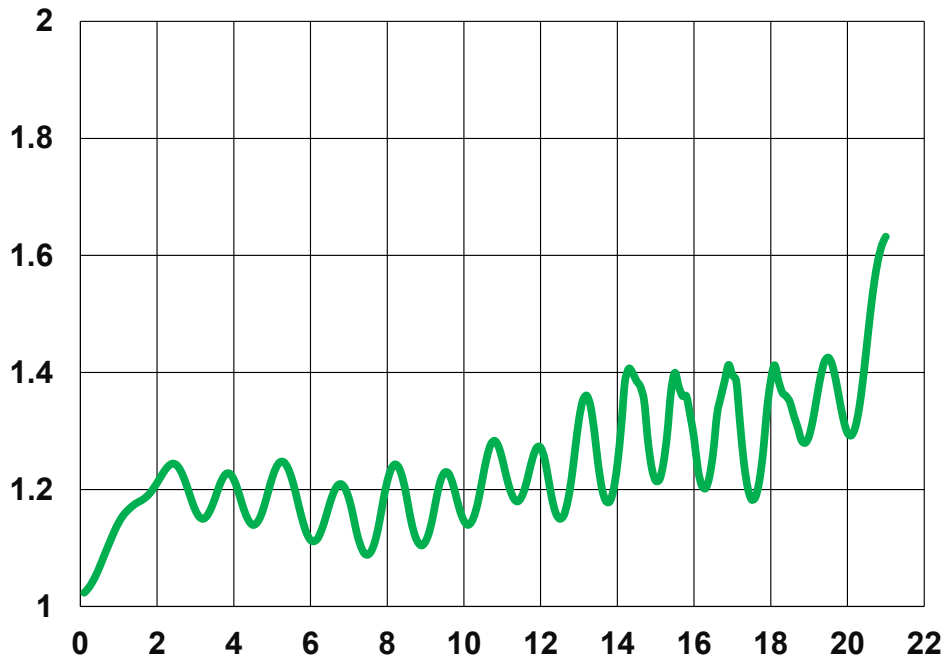
INPUT PORT VSWR



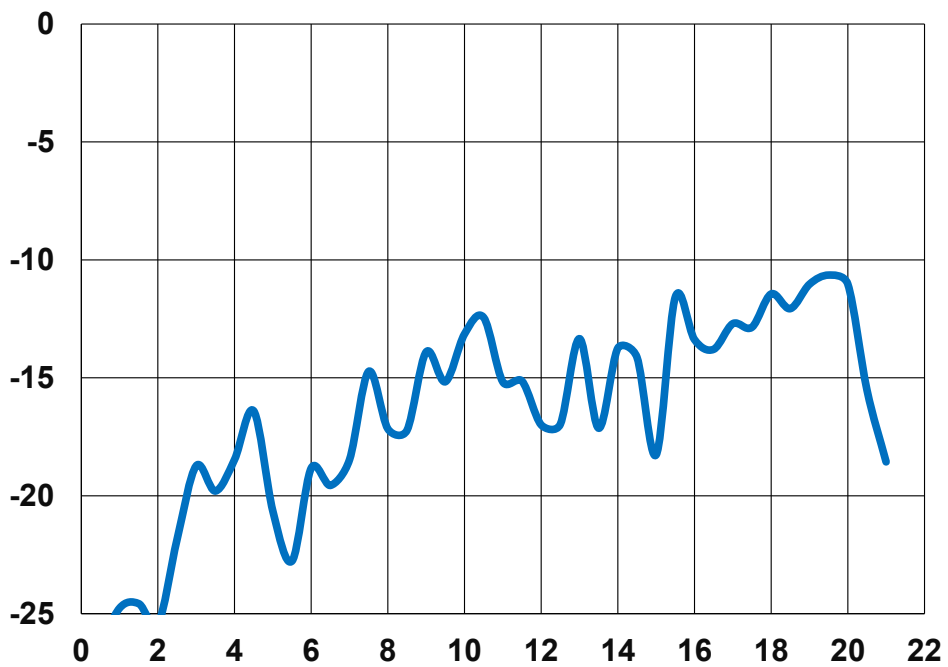
OUTPUT PORT VSWR



COUPLED PORT VSWR

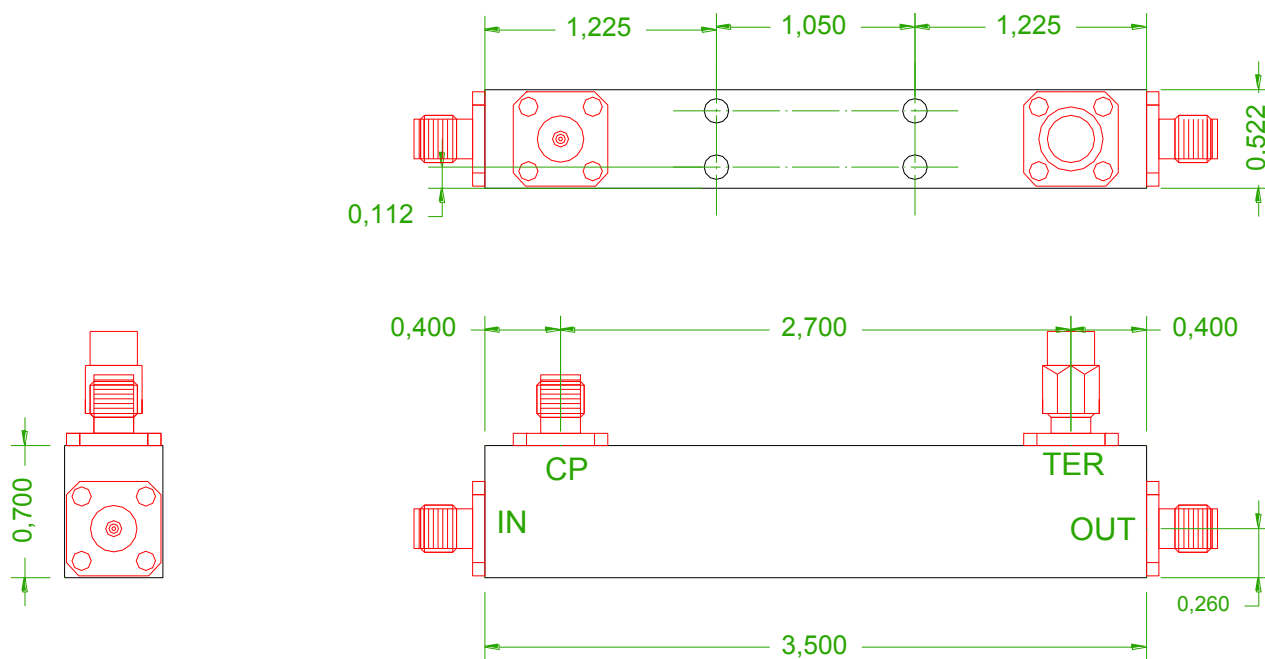


DIRECTIVITY



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PACKAGE OUTLINE*



*Dimensions are in inches