



20 dB, Bi-Directional Coupler, 1 - 1000 MHz

CH-132

Features

Broad Frequency Range

Constant Coupling—Within ± 0.5 dB Max

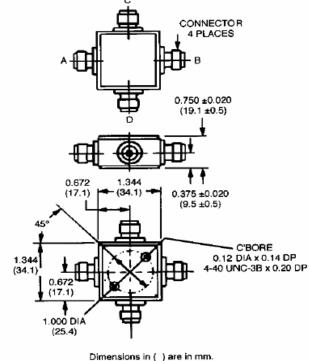
VSWR: 1.3:1 Max

•

Description

Bi-Directional Couplers offer the ability to couple the power in two directions while maintaining directivity.

C-8



Dimensions in () are in mm. Unless Otherwise Noted: .xxx = ± 0.015 (.x = ± 0.4) WEIGHT (APPROX.): 2.5 OUNCES 71 GRAMS

Electrical Specifications¹: T_A = -55°C to +85°C

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
Coupling	Input to Output	1-1000 MHz	dB	19.0	20.0	21.0
Coupling Flatness	_	10 - 500 MHz 1 - 1000 MHz	dB dB	_	_	± 0.25 ± 0.5
VSWR	All Ports	10 - 500 MHz 1 - 1000 MHz	Ratio Ratio	_	_	1.2:1 1.3:1
Directivity	Both Directions	10 - 500 MHz 1 - 1000 MHz	dB dB	25 20	_	_
Main Line Loss ²	_	10 - 500 MHz 1 - 1000 MHz	dB dB	_	_	0.5 0.7

^{1.} All specifications apply with 50 ohm source and load impedance.

This product contains elements protected by United States Patent umber 3,426,298.

^{2.} Includes theoretical power split.

[•] North America Tel: 800.366.2266 / Fax: 978.366.2266

[•] Europe Tel: 44.1908.574.200 / Fax: 44.1908.574.300

Asia/Pacific Tel: 81.44.844.8296 / Fax: 81.44.844.8298

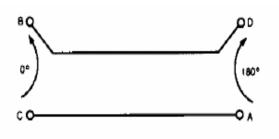




20 dB, Bi-Directional Coupler, 1 - 1000 MHz

CH-132

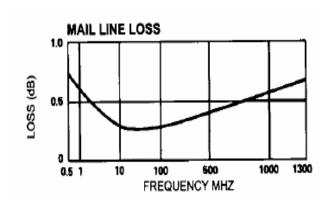
Functional Diagram

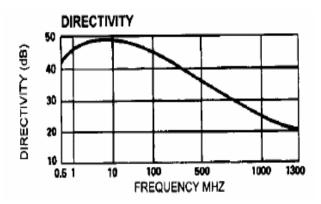


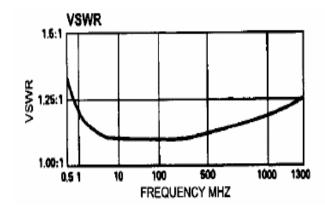
Ordering Information

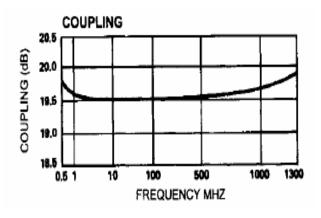
Part Number	Package		
CH-132 BNC	Connectorized		
CH-132 N	Connectorized		
CH-132 SMA	Connectorized		
CH-132 TNC	Connectorized		

Typical Performance Curves









- M/A-COM Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice. M/A-COM makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does M/A-COM assume any liability whatsoever arising out of the use or application of any product(s) or information.
- North America Tel: 800.366.2266 / Fax: 978.366.2266
- Europe Tel: 44.1908.574.200 / Fax: 44.1908.574.300
- Asia/Pacific Tel: 81.44.844.8296 / Fax: 81.44.844.8298