



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

CH-132

Features

Broad Frequency Range

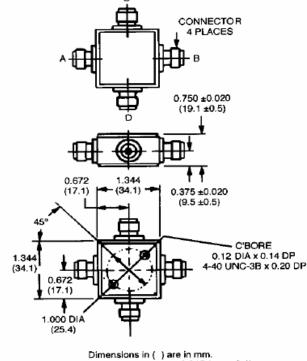
Constant Coupling—Within ± 0.5 dB Max

VSWR: 1.3:1 Max

Description

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

C-8



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.

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^{2.} Includes theoretical power split.

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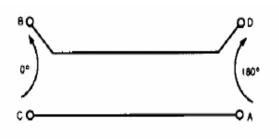




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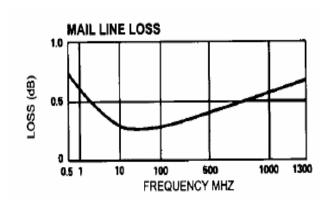
Functional Diagram

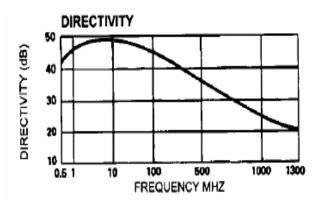


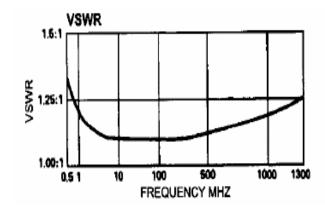
Ordering Information

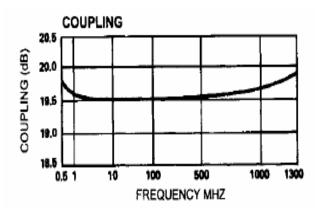
Part Number	Package		
CH-132 BNC	Connectorized		
CH-132 N	Connectorized		
CH-132 SMA	Connectorized		
CH-132 TNC	Connectorized		

Typical Performance Curves









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