

20 dB, Bi-Directional Coupler,

1 - 1000 MHz Rev. V3

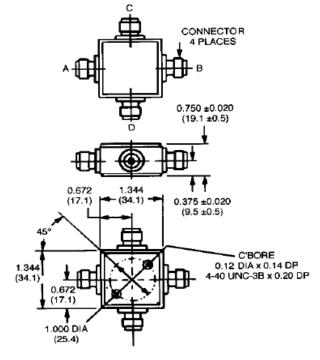
Features

- **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: $xxx = \pm 0.015$ ($x = \pm 0.4$) WEIGHT (APPROX.): 2.5 OUNCES 71 GRAMS

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

MANAY D	etaSheet4U.com						
VV VV VV . D	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.
- 2. Includes theoretical power split.

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

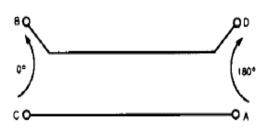
[•] India Tel: +91.80.4155721



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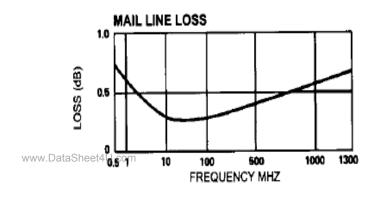
Functional Diagram

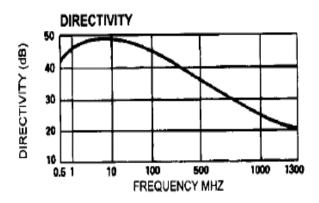


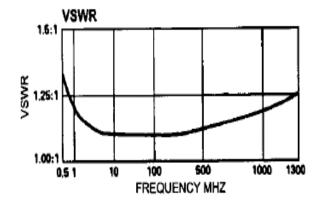
Ordering Information

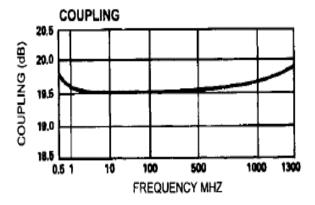
Part Number	Package		
CH-132 BNC	Connectorized		
CH-132 N	Connectorized		
CH-132 SMA	Connectorized		
CH-132 TNC	Connectorized		

Typical Performance Curves









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