

19.5 dB Bi-Directional Coupler 0.5 - 400 MHz

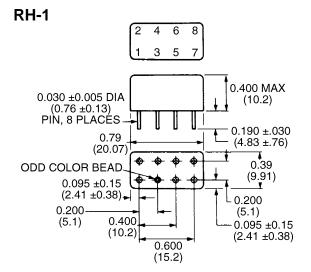
CH-/CHS-137

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Features

- Low Cost
- Convenient Plug-In Mounting
- Fully Hermetic Package (CHS-137)

Guaranteed Spec	ifications*	(From -55°C to +85°C)
Frequency Range		0.5-400 MHz
Coupling (Input to Output) 0.5-200 MHz		19.5 ±0.5 dB
200-400 MHz		20 ±1.0 dB
VSWR (All Ports) 5-200 MHz 0.5-400 MHz		1.2:1 Max 1.5:1 Max
Directivity		
(Both Directions)		
0.5-50 MHz		30 dB Min
50-200 MHz		20 dB Min
200-400 MHz		15 dB Min
Main Line Loss**	CH-137	CHS-137
0.5-50 MHz	0.5 dB Max	0.5 dB Max
50-200 MHz	0.4 dB Max	0.4 dB Max
200-400 MHz	0.6 dB Max	0.7 dB Max



Dimensions in () are in mm. Unless otherwise noted: .xxx = ± 0.010 (.xx = ± 0.25) WEIGHT (APPROX.): 0.23 OUNCES 6.5 GRAMS

Operating Characteristics

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Input Power 3.0 Watts I	Иaх

Environmental

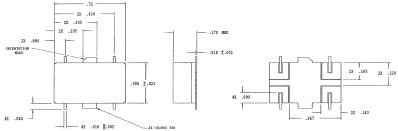
MIL-STD-202 screening option available.

* All specifications apply with 50 ohm source and load impedance.

** Includes theoretical power split.

Ordering Information

Model No.	Package
CH-137 PIN	Relay Header
CHS-137 PIN	Surface Mount



SF-1

Dimensions in () are in mm. Unless otherwise noted: .xxx = ± 0.010 (.xx = ± 0.25) WEIGHT (APPROX.): 0.07 OUNCES 2 GRAMS

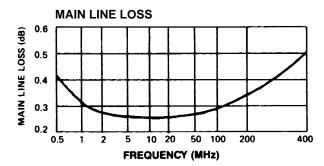
M/A-COM Division of AMP Incorporated North America: Tel. (800) 366-2266, Fax (800) 618-8883 Asia/Pacific: Tel. +85 2 2111 8088, Fax +85 2 2111 8087

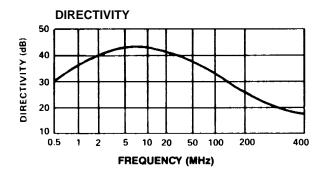
■ Europe: Tel. +44 (1344) 869 595, Fax +44 (1344) 300 020

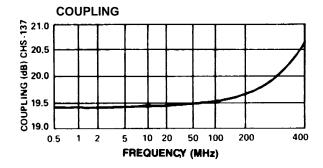


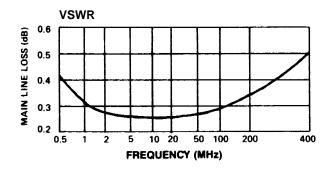
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Typical Performance

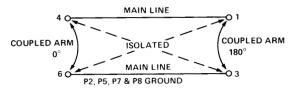




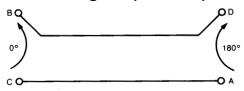




Functional Diagram & Pin Configuration (CH-137)



Functional Diagram (CHS-137)



Pin Configuration

CHS-137

Pin Number	Description
1	С
2	В
3	Α
4	D



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