

Excellent Integrated System Limited

Stocking Distributor

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M/A-Com Technology Solutions MACP-009011-C80370

For any questions, you can email us directly: sales@integrated-circuit.com

Distributor of M/A-Com Technology Solutions: Excellent Integrated System Limited

Datasheet of MACP-009011-C80370 - COUPLER 5-1200MHZ 8DB SM55A FR4

Contact us: sales@integrated-circuit.com Website: www.integrated-ci

MACP-009011-C80370

MA-COM Technology Solutions

E-Series 75 Ohm 8 dB Coupler 5 - 1200 MHz

M/A-COM Products *Revision :* V2

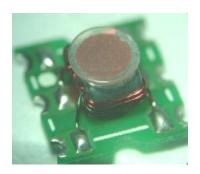
Features

- Coupling 8dB Typical
- Surface Mount
- Low Profile
- Available on Tape and Reel
- Excellent Temperature Stability

Description

M/A-COM's MACP-009011-C80370 is a high performance 75 Ohm Coupler, in a SM-55A low cost, surface mount package.

The MACP-009011-C80370 is designed for use in high volume CATV applications. Typical applications include set-top boxes, Network Interface Units, Broadband Amplifiers and head-end equipment.



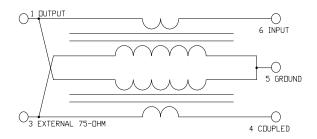
Pin Configuration

Function	Pin Number		
Output	1		
Not Connected	2		
Isolation, external 75-Ohm	3		
Coupled	4		
Ground	5		
Input	6		

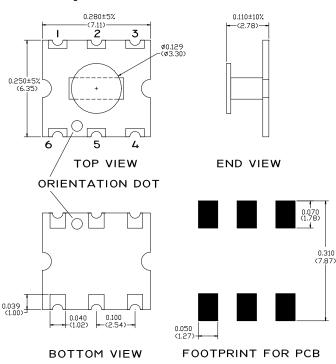
Ordering Information

Part Number	Function		
MACP-009011-C80370	900 parts per reel		
MACP-009011-C803TB	Customer test board		

Schematic



Case Style SM-55A



Dimensions in inches [mm] Tolerance: .xx \pm .02, .xxx \pm .010

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PRELIMINARY: Data Sheets contain information regarding a product M/A-COM Technology Solutions has under development. Performance is based on engineering tests. Specifications are typical. Mechanical outline has been fixed. Engineering samples and/or test data may be available. Commitment to produce in volume is not guaranteed.

- North America Tel: 800.366.2266 Europe Tel: +353.21.244.6400
- India Tel: +91.80.4155721
 China Tel: +86.21.2407.1588
 Visit www.macomtech.com for additional data sheets and product information.

M/A-COM Technology Solutions Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice.

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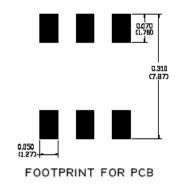
Electrical Specifications: $T_A = 25$ °C, $Z_0 = 75\Omega$

Parameter	Frequency	Units	Min.	Тур.	Max
Frequency Range	5-1200 MHz				
Mainline Loss *	5-870 MHz 870-1002 MHz 1002-1200 MHz	dB dB dB	2.0 2.3 2.6	1.5 1.85 2.1	
Coupling *	5-1002 MHz 1002-1200 MHz	dB dB	8.5 8.7	8.3 8.0	7.5 7.3
Coupling flatness	5-1200 MHz	dB		0.5	0.8
Directivity	5-870 MHz 870-1200 MHz	dB dB	_	17.5 12.8	11 9
Return Loss Input	5-50 MHz 50-1200MHz	dB dB	_	18.8 18.7	17.0 16.5
Return Loss Output	5-50 MHz 50-870 MHz 870-1200 MHz	dB dB dB	_ _ _	31.3 33.5 32.0	23 20 20
Return Loss Coupled *	5-1200 MHz	dB	_	18.5	16

Absolute Maximum Ratings 1

Parameter	Absolute Maximum	
RF Power	250mW	
DC Current	30mA	
Operating Temperature	-20° C to + 85° C	
Storage Temperature	-20° C to + 85° C	

Recommended PCB Configuration



Dimensions in inches [mm] Tolerance: .xx ± .02, .xxx ± .010

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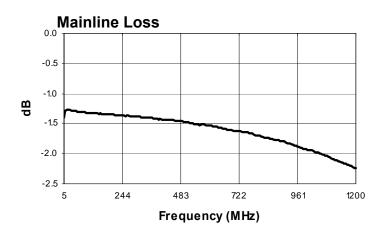
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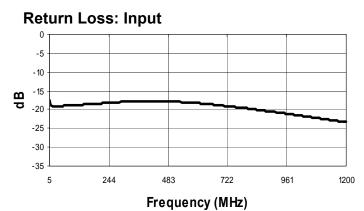
MA-COM Technology Solutions

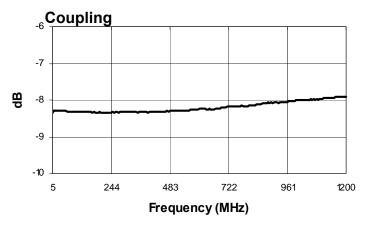
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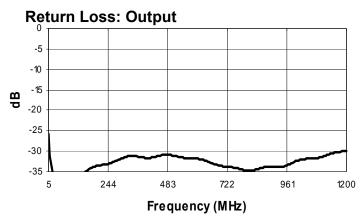
M/A-COM Products *Revision*: V2

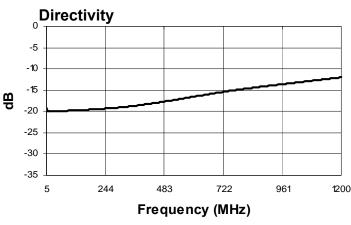
Typical Performance: $T_A = 25^{\circ}C$, $Z_0 = 75\Omega$

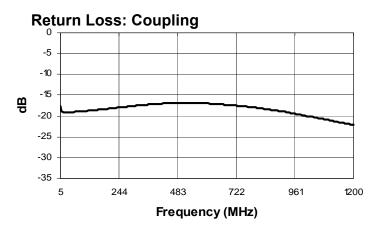












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