

M/A-COM E-Series 75 Ohm Coupler 46-1000 MHz

Features

- Coupling 12db Typical.

Description

M/A-COM's 589367 is a high performance 75 Ohm Coupler.



Electrical Specifications @25°C

Frequency Range	46 - 1000 MHz	Units	Nominal	Typical	Minimum	Maximum
Input Return Loss	46– 870 MHz	dB	—	—	—	19
	870 - 1000 MHz	dB	—	—	—	18
Output Return Loss	46– 600 MHz	dB	—	—	—	19
	600 - 1000 MHz	dB	—	—	—	18
Couplong	46 MHz	dB	—	—	—	12
	870 MHz	dB	—	—	—	11
	1000 MHz	dB	—	—	—	11.1
Coupsht	46 MHz	dB	—	—	—	12
	870 MHz	dB	—	—	—	11
	1000 MHz	dB	—	—	—	11.1
Coupling Flatness	46-1000 MHz	dB	—	—	—	0.225
Thrulong	46 MHz	dB	—	—	—	1.1
	870 MHz	dB	—	—	—	1.8
	1000 MHz	dB	—	—	—	1.9
Thrulshrt	46 - 870 MHz	dB	—	—	—	1.1
	870-1000 MHz	dB	—	—	—	1.8
	@ 1000 MHz	dB	—	—	—	1.9
Thrulong Flatness	46-1000 MHz	dB	—	—	—	0.15

Specifications subject to change without notice.

V 2.0

North America: Tel. (800) 366-2266, Fax (800) 618-8883
Asia/Pacific: Tel. +81-44-844-8296, Fax +81-44-844-8298
Europe: Tel. +44 (1344) 869 595, Fax +44 (1344) 300 020

Visit www.macom.com for additional data sheets and product information.

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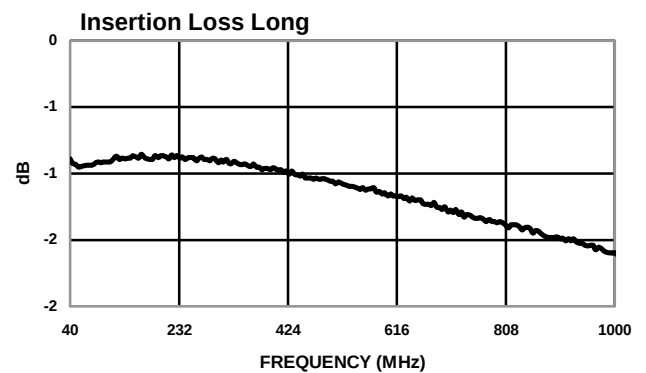
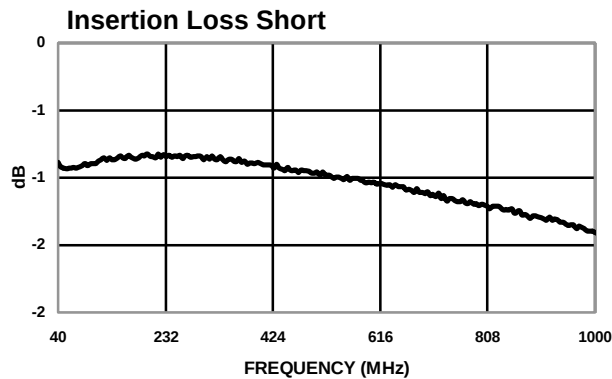
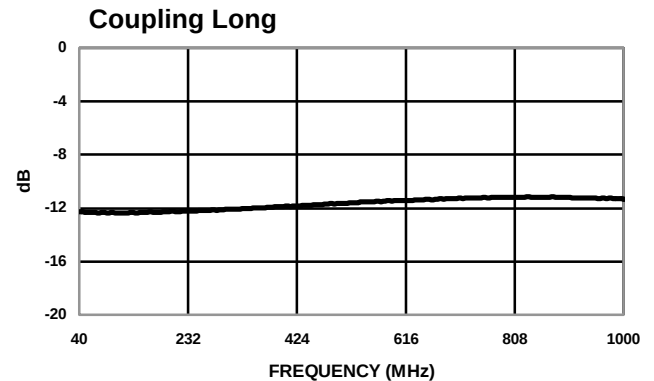
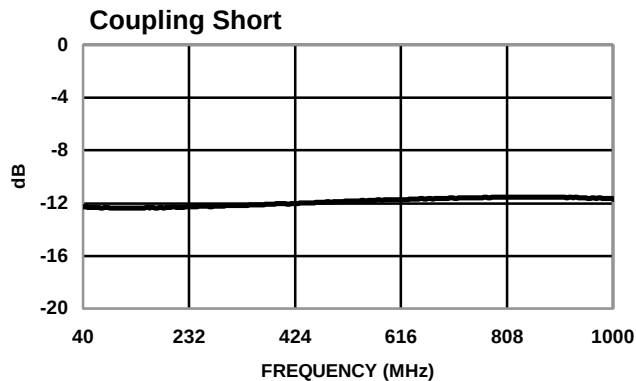
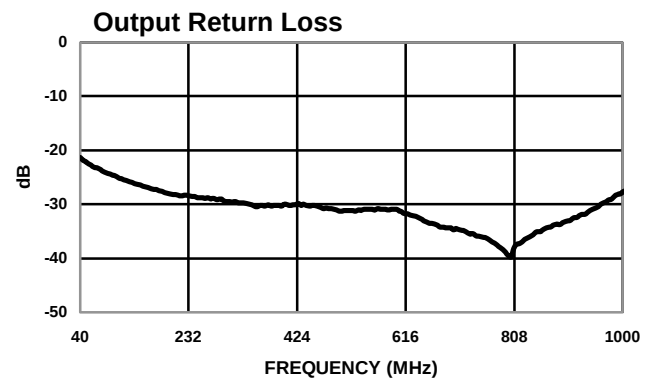
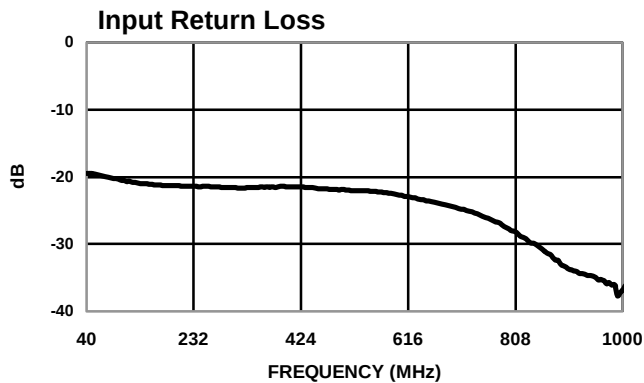
Operating Characteristics

Function	Pin No.
Input	2
Output	4
Coupled	8
Ground	1,3,7
Not Connected	5,6
External 75 Ohms	-

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	250 mW
DC Current	30 mA
Pin Temperature (10 sec)	260°C
Operating/Storage Temperature	-25°C to +85°C

Typical Performance @ 25°C



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2

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