MABA-009807-CF4010



4:1 RF Transformer 0.05 - 3.072 MHz

M/A-COM Products Rev. V2

Features

- Surface Mount
- 4:1 Impedance
- CT on Secondary
- 50 Ohm
- · RoHS compliant, lead free
- RoHS version of ETM4-1T-2

Description

M/A-COM's MABA-009807-CF4010 is a 4:1 RF Transformer in a low cost surface mount package. Ideally suited for high volume CATV application.



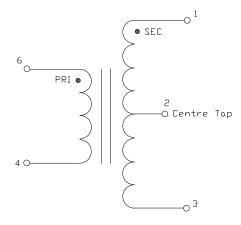
Pin Configuration

Function	Pin Number		
Secondary Dot	1		
Secondary Centre Tap	2		
Secondary	3		
Primary	4		
Not Connected	5		
Primary Dot	6		

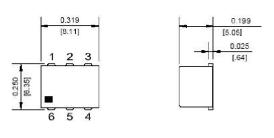
Ordering Information

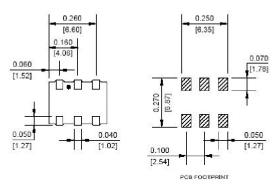
Part Number Package	
3A-009807-CF4010 900 pieces per ree	l
3A-009807-CF4010 900 pieces per ree)

Schematic



Case Style SM-1





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

Note: Reference Application Note M513 for reel size information.

* Restrictions on Hazardous Substances, European Union Directive 2002/95/EC.

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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.

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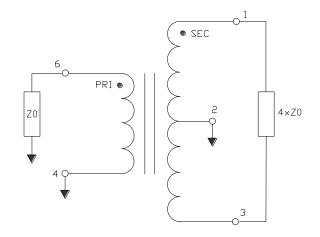
Electrical Specifications: $T_A = 25$ °C, 0dBm, $Z_0 = 50\Omega$

Parameter	Test Conditions	Units	Min.	Тур.	Max.
Frequency Range	.05 – 3.072 MHz				
Insertion Loss	.05 – 3.072 MHz	dB	_	-	1
Amplitude Balance	.05 – 3.072 MHz	dB	_	-	±0.1
Phase Balance	.05 – 3.072 MHz	0	-	-	±1
Input Return Loss	.05 – .20 MHz .20 - 3.072 MHz	dB dB	18 25	-	-

Recommended Maximum Ratings

Parameter	Value		
RF Power	250mW		
DC Current	30mA		
Operating Temperature	-20°C to +85°C		
Storage Temperature	-55°C to +100°C		

Application Circuit



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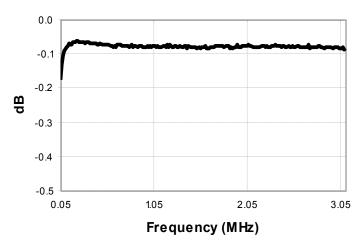


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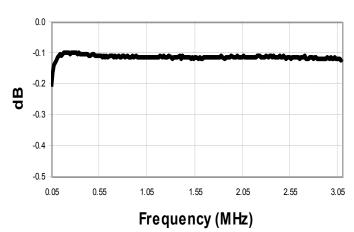
M/A-COM Products Rev. V2

Typical Performance Curves: $T_A = 25$ °C, 0dBm, $Z_0 = 50\Omega$

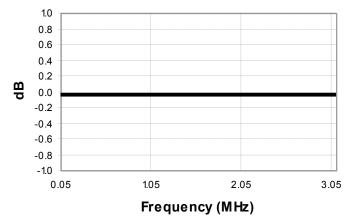
Insertion Loss: Pin4 - Pin1



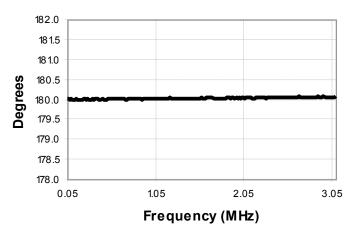
Insertion Loss: Pin4 - Pin3



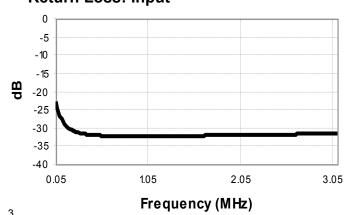
Amplitude Balance



Phase Balance



Return Loss: Input



Component Package orientation



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