



E-Series RF 4:1 Transformer 0.5 – 350 MHz

ET4-1-SM1 V1

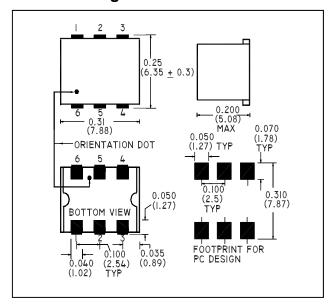
Features

- 4:1 Impedance Ratio
- CT on Secondary
- Surface Mount
- · Tape and reel packaging available

Description

M/A-COM's ET4-1-SM1 is a 4:1 RF transformer in a low cost, surface mount package. Ideally suited for high volume cellular and wireless applications. Typical applications include single to balanced mode conversion and impedance matching. Parts are packaged in tape & reel.

SM - 1 Package



Electrical Specifications: $T_A = 25$ °C, $Z_0 = 50\Omega^1$

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
RF Frequency	_	0.5 - 350	MHz	_	_	_
Insertion Loss	F _L —f _U	0.5 - 350 2.0 - 100	dB dB	_	_	3.0 1.0
Amplitude Imbalance	F _L —f _U	0.5 - 350 2.0 - 100	dB dB	_	_	1.0 0.1
Phase Imbalance	F _L —f _U	0.5 - 350 2.0 - 100	Degrees Degrees	_	_	5° 1°

Absolute Maximum Ratings 1

Parameter	Absolute Maximum		
RF Power	250 mW		
DC Current	30 mA		
Operating Temperature	-40°C to +85°C		
Storage Temperature	-55°C to +125°C		

Operation of this device above any one of these parameters may cause permanent damage.

Ordering Information

Part Number	Package		
ET4-1-SM1TR	Tape and Reel (900 piece Reel)		

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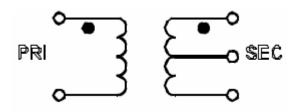
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Pin Configuration

Pin No.	Function	
1	Secondary	
2	Secondary CT	
3	Secondary Dot	
4	4 Primary Dot	
5	5 Not Connected	
6	Primary	

Schematic



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