



E-Series RF 16:1 Transformer 0.06 – 60 MHz

ET16-6T-SM1 V1

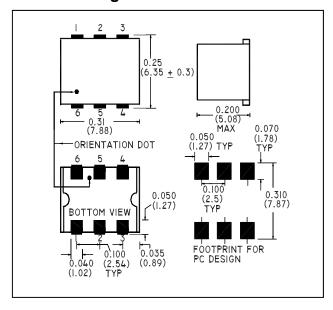
Features

- 16:1 Impedance Ratio
- CT on Secondary
- Surface Mount
- Tape and reel packaging available

Description

M/A-COM's ET16-6T-SM1 is a 16:1 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	_	0.06 - 60	MHz	_	_	_
Insertion Loss	F _L —f _U	0.06 - 60 0.08 - 40 0.15 - 15	dB dB dB	_ _ _	_ _ _	3.0 2.0 1.0
Amplitude Unbalance	F _L —f _U	0.06 - 30 0.06 - 60	dB dB	_	_	0.3 0.6
Phase Unbalance	F _L —f _U	0.06 - 20 0.06 - 60	Degrees Degrees	_	_	1° 4°

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		
ET16-6T-SM1TR	Tape and Reel (900 piece Reel)		

M/A-COM Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice. M/A-COM makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does M/A-COM assume any liability whatsoever arising out of the use or application of any product(s) or information.

[•] North America Tel: 800.366.2266 / Fax: 978.366.2266

[•] Europe Tel: 44.1908.574.200 / Fax: 44.1908.574.300

Asia/Pacific Tel: 81.44.844.8296 / Fax: 81.44.844.8298





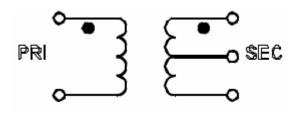
E-Series RF 16:1 Transformer 0.06 – 60 MHz

ET16-6T-SM1 V1

Pin Configuration

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

Schematic



- Europe Tel: 44.1908.574.200 / Fax: 44.1908.574.300
- Asia/Pacific Tel: 81.44.844.8296 / Fax: 81.44.844.8298