



E-Series Coupler 6 – 600 MHz

EMDC-16-1 V4

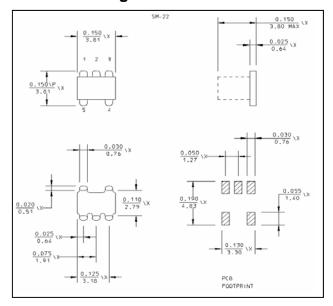
Features

- · Coupling 16 dB Typical
- Surface Mount
- Tape and reel packaging available

Description

M/A-COM's EMDC-16-1 is a broadband coupler in a low cost, surface mount package. It offers low loss, good isolation, good input/output matching and exceptional coupling repeatability. Ideally suited for high volume cellular and wireless applications. Parts are packaged in tape & reel.

SM - 22 Package



Electrical Specifications: $T_A = 25^{\circ}C$, $Z_0 = 50\Omega^{1}$

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
RF Frequency	_	6 - 600	MHz	_	_	_
Coupling	F _L —f _U	6 - 600	dB	_	_	16 ±0.8
Main Line Loss	F _L —f _U	6 - 600	dB	_	0.6	0.9
Directivity	F _L —f _U	6 - 60 60 - 300 300 - 600	dB dB dB	20 20 10	30 27 21	_ _ _

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		
EMDC-16-1TR	Tape and Reel (2000 piece Reel)		

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EMDC-16-1 **E-Series Coupler** 6 - 600 MHz

Pin Configuration

Pin No.	Function	
1	Coupled	
2	Ground	
3	Input	
4	Output	
5	External 50 Ohms	

information.