RoHS Compliant

E-Series Surface Mount Mixer
10 – 2000 MHz

MAMX-007253-ES0067
V1 P

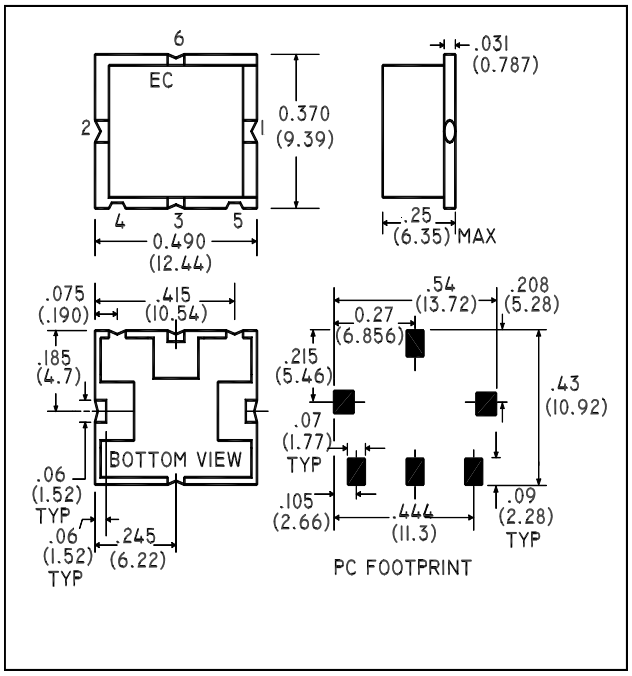
Features

- LO Power +10 dBm
- -5 dBm RF
- Surface Mount
- Tape and reel packaging available
- 260℃ Reflow Compatible
- RoHS* compliant version of the MAMXES0067

Description

M/A-COM's MAMX-007253-ES0067 is a RoHS Compliant Low Cost, Broadband, high performance Double Balanced Mixer designed for use in high volume wireless applications. The device has been optimized by careful selection of the Schottky Diode and Balun Transformer for excellent performance. The MAMX-007253-ES0067 is available in an SM-2 surface mount package and is designed to be utilized in both standard reflow and high temperature soldering reflow profiles. Parts are packaged in tape & reel.

SM - 2 Package



Ordering Information

Part Number	Package
MAMX-007253-ES0067	Tape and Reel (500 piece Reel)

Pin Configuration

Pin No.	Function
1	LO
2	RF
3	IF
4	Ground
5	Ground
6	Ground

Absolute Maximum Ratings [1,2]

Parameter	Absolute Maximum
RF Input Power	+10dBm
LO Drive Power	+15dBm
Peak IF Current	30mA
Operating Temperature	-40℃ to +85℃
Storage Temperature	-65℃ to +125℃

1. Exceeding any one or combination of these limits may cause permanent damage to this device.
2. M/A-COM does not recommend sustained operation near these survivability limits.

This PRELIMINARY Data Sheet contains information regarding a product M/A-COM has under development. Performance is based on measured results and target specifications. Commitment to produce in volume is not guaranteed.

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

• **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.

Electrical Specifications: T_A = 25°C, Z_0 = 50Ω, LO = +7 dBm

Parameter	Test Conditions	Frequency	Units	Min	Typ	Max
RF Frequency	—	10 - 2000	MHz	—	—	—
LO Frequency	—	10 - 2000	MHz	—	—	—
IF Frequency	—	10 - 800	MHz	—	—	—
Conversion Loss	—	20 - 1000 10 - 2000	dB dB	— —	7.5 8.0	8.0 8.5
Isolation	LO to RF	10 – 2000	dB	20	30	—
Isolation	LO to IF	10 – 2000	dB	15	30	—

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