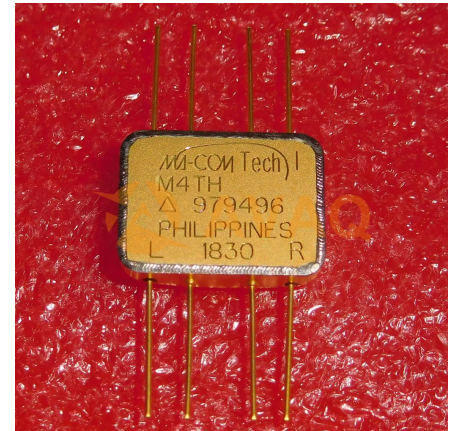


## Up/Down Conv Mixer 2GHz 8-Pin Case FP

<b>Manufacturer:</b>	<a href="#">MACOM Technology Solutions</a>
<b>Package/Case:</b>	TO-8
<b>Product Type:</b>	RF Integrated Circuits
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

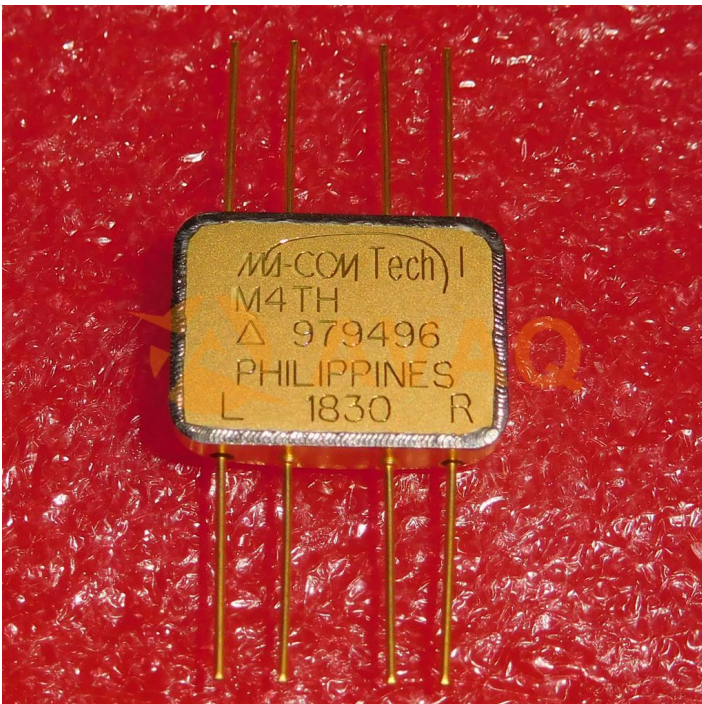
The M4TH is a termination insensitive mixer, designed for use in military, commercial and test equipment applications. The design utilizes Schottky bridge quad diodes, broadband ferrite baluns and internal loads to provide excellent performance without degradation due to external VSWR mismatches. The use of high temperature solder and welded assembly processes used internally makes it ideal for use in semi-automated and automated assembly. Environmental screening available to MIL-STD-883, MIL-STD-202, or MIL-DTL-28837, consult factory.

### Key Features

- Lo 1 to 3400 MHz
- Available in Surface Mount
- High Intercept: +29 dBm (Typ.)
- Insensitive to System Mismatch
- Lo Drive: +23 dBm (Nominal)
- IF 1 to 2000 MHz
- RF 1 to 3400 MHz
- Aerospace and Defense
- ISM

### Application

- Min Frequency, RF/LO: 1 MHz
- Min Frequency, IF: 1 MHz
- Conversion Loss: 8 dB
- Input P1dB: 17 dBm
- LO Drive: 23 dBm
- Isolation LO-RF: 35 dB
- Max Frequency, IF: 2,000 MHz
- Max Frequency, IF: 2,000 MHz
- Max Frequency, RF/LO: 3,400 MHz



## Recommended For You

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### **CSM4T17**

MACOM Technology Solutions

BGA

### **SM4TH**

MACOM Technology Solutions

BGA

### **CSM4TH**

MACOM Technology Solutions

SMT

### **MASW-007107-TR3000**

MACOM Technology Solutions

PDFN-8

### **AT-283-PIN**

MACOM Technology Solutions

CR-16

### **MAAD-007086-000100**

MACOM Technology Solutions

SOP24

### **MAAD-000523-TR1000**

MACOM Technology Solutions

QFN

### **MATI0030**

MACOM Technology Solutions

SMD

### **MAATSS0017**

MACOM Technology Solutions

SSOP16

### **MAAVSS0007TR**

MACOM Technology Solutions

SOP-8

### **MATI0010**

MACOM Technology Solutions

TSSOP

### **MAATSS0015**

MACOM Technology Solutions

SOP16

### **MATI0020**

MACOM Technology Solutions

SOP16

### **MASW-000834-13560T**

MACOM Technology Solutions

QFN

### **MASW-007921-TR3000**

MACOM Technology Solutions

PDFN8