

New Product Announcement!

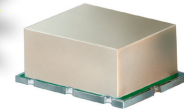
Frequency Mixer

SYM-63LH+

Level 10 (LO Power +10 dBm) 1 to 6000 MHz

The Big Deal

- Ultra broadband, 1 to 6000 MHz
- High isolation and good conversion loss across the band
- Low profile compact package



CASE STYLE: TTT166

Pricing: \$12.95 (QTY 10-49)

Product Overview

Model SYM-63LH+ is an ultra broadband double balanced mixer utilizing core and wire transformers and a diode quad in a ring configuration. The transformers are designed to provide ultra wide bandwidth using simulation software together with Mini-Circuits proprietary transformer technology. These mixers provide an IF response from DC to 1000 MHz and are especially useful in wideband system applications such as IED.

Key Features

Feature	Advantages
Low conversion loss, 8dB for wide bandwidth	Low loss enables lower NF front ends thereby improving system sensitivity.
High LO to RF isolation	Less susceptibility to the LO signal interfering with system performance. Reduced levels of unwanted responses especially in a wideband system.
Broadband matching	The IF port VSWR is less than 1.5 to 1 over the specified frequency range. This simplifies the cascading of an amplifier following the mixer.
Compact low profile package 0.38 x 0.50 x 0.15"	Enables high density packaging
Insensitive to LO power level variations	Enable the use of an LO amplifier with reduced specs for gain flatness, consequently improving the potential to lower LO amplifier costs.



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 *The Design Engineers Search Engine*  Provides ACTUAL Data Instantly at minicircuits.com

IF/RF MICROWAVE COMPONENTS

For detailed performance specs & shopping online see web site

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.