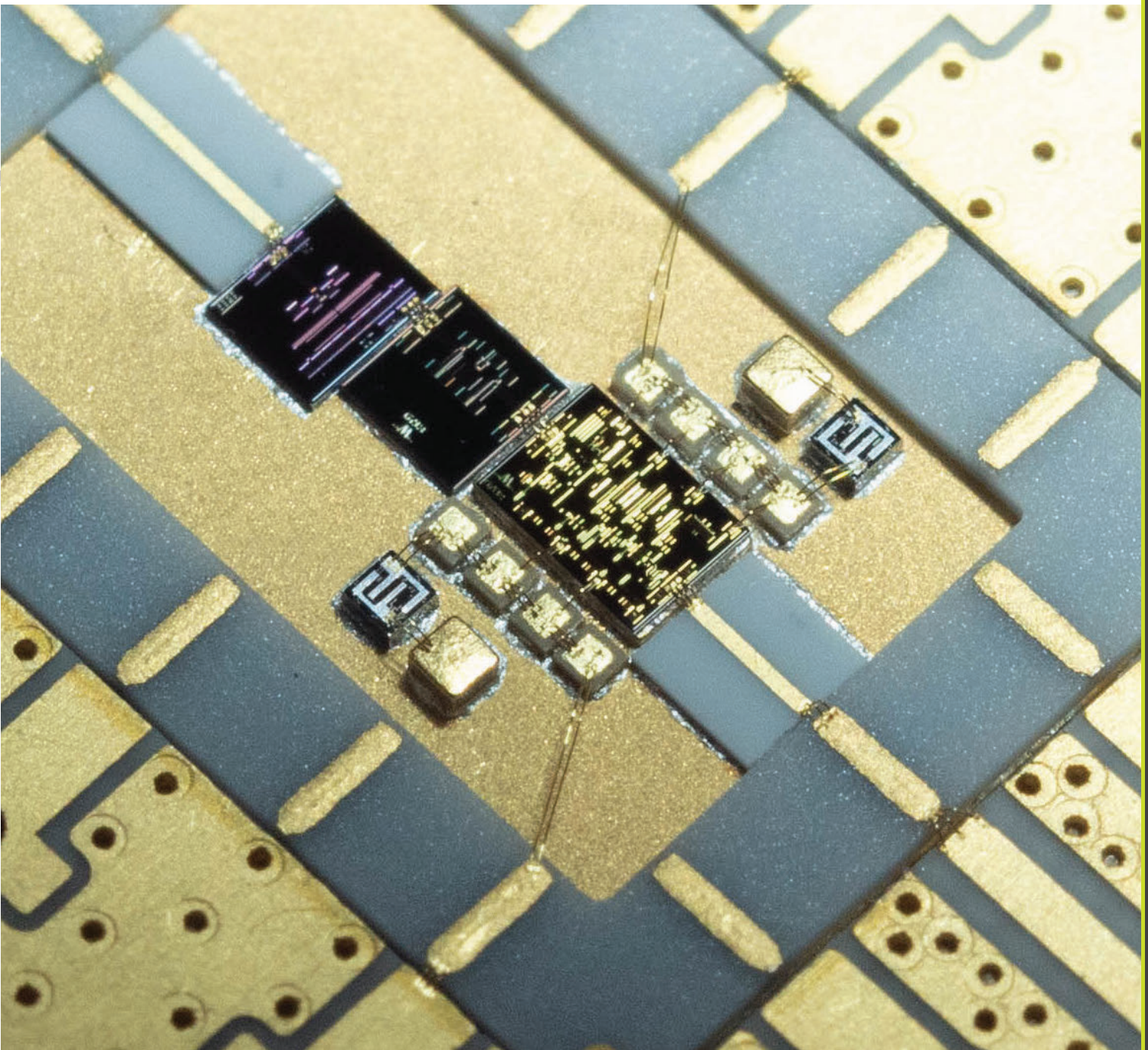


SPOTLIGHT ON



microwave

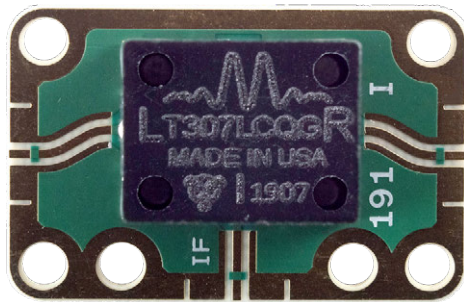


X microwave

Modular Building Block System

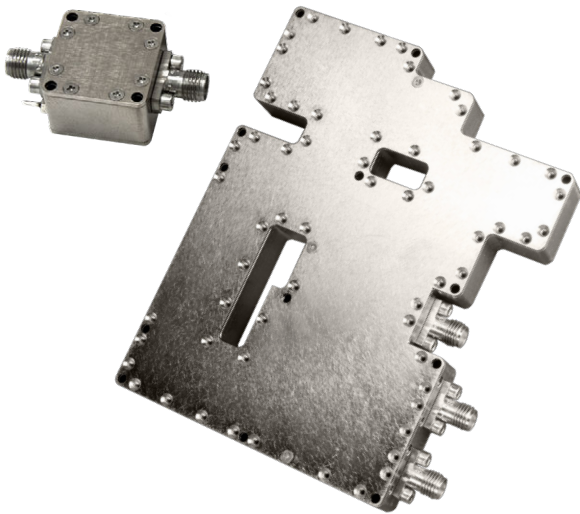
More than 125 Marki Microwave devices available as drop-in components (X-MWblocks):

- Mixers
- Filters
- Baluns
- Splitters / Combiners
- Bias Tees
- Limiters
- Equalizers



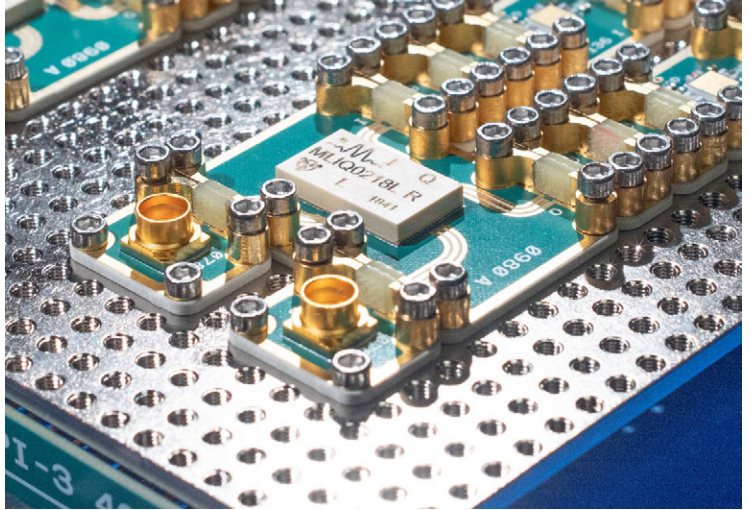
Drop-in Components (X-MWblocks)

Drop-in X-MWblocks include surface mount and DIE devices in a common compatible format.



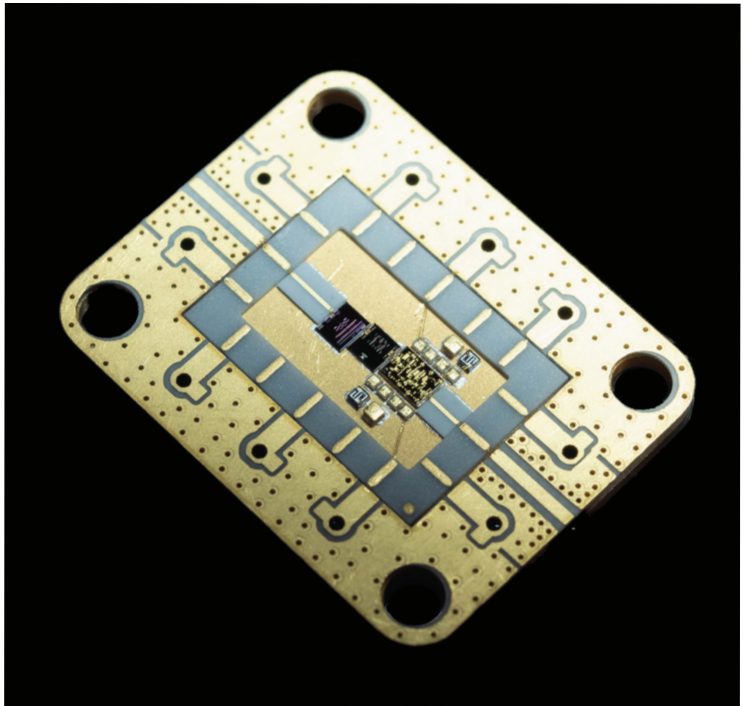
Connectorized Modules and IMA's

X-MWblocks are offered in production-ready connectorized housings. Multiple blocks can be cascaded and integrated into a single custom IMA housing.



Prototyping On The Grid

Combine IQ mixers with other components on the grid to build cascades from DC to 67 GHz.



Multi-Chip Module (MCM)

-front cover-

MCM's combine DIE based devices on a single carrier to build miniaturized integrated drop-in blocks. This multiplier X-MWblock features a Marki Microwave doubler, filter, and amplifier on a single X-MWblock.

X-MWblock Availability

Marki Microwave devices are available at xmicrowave.com

"Modular By Design"
RF and Microwave Solutions to 67 GHz

My Account

Products Getting Started Tools Library About Us Quality Sales

\$0 0 Items

Home > X-MWblocks > Mixers > XM-B116-0404D

Mixers

XM-B116-0404D

MM1-1130HSM-2

\$200

Mixer, MM1-1130HSM-2 [PCB: 472]
Double Balance Mixer, 11-30 GHz RF /DC-12 GHz IF

1

Add to Quote

Edit

Configurations

XM-B116-0404C

B116D.s2p

S-Parameter Plot (Full Screen)

The plot shows the amplitude response of the mixer. The y-axis is Amplitude (dB) from -30 to -4. The x-axis is Frequency (GHz) from 0G to 30G. The S21 curve (green) shows a passband from approximately 10 GHz to 30 GHz with a flat response around -6 dB. S11 (red), S12 (cyan), and S22 (purple) show high return loss (below -20 dB) across the frequency range.

Parameter	Value
LO Level (dBm)	17
LO Low Freq (MHz)	11000
LO High Freq (MHz)	30000
RF Low Freq (MHz)	11000
RF High Freq (MHz)	30000
IF Low Freq (MHz)	DC
IF High Freq (MHz)	12000
Conv Loss (dB)	7

Learn More @

MM1-1130HSM-2 Datasheet

Manuf Characteristics

LO Level (dBm)	17
LO Low Freq (MHz)	11000
LO High Freq (MHz)	30000
RF Low Freq (MHz)	11000
RF High Freq (MHz)	30000
IF Low Freq (MHz)	DC
IF High Freq (MHz)	12000
Conv Loss (dB)	7

X-Microwave Design System

Design On the Grid using a wide range of Marki Microwave devices including amplifiers, mixers, filters, and more.

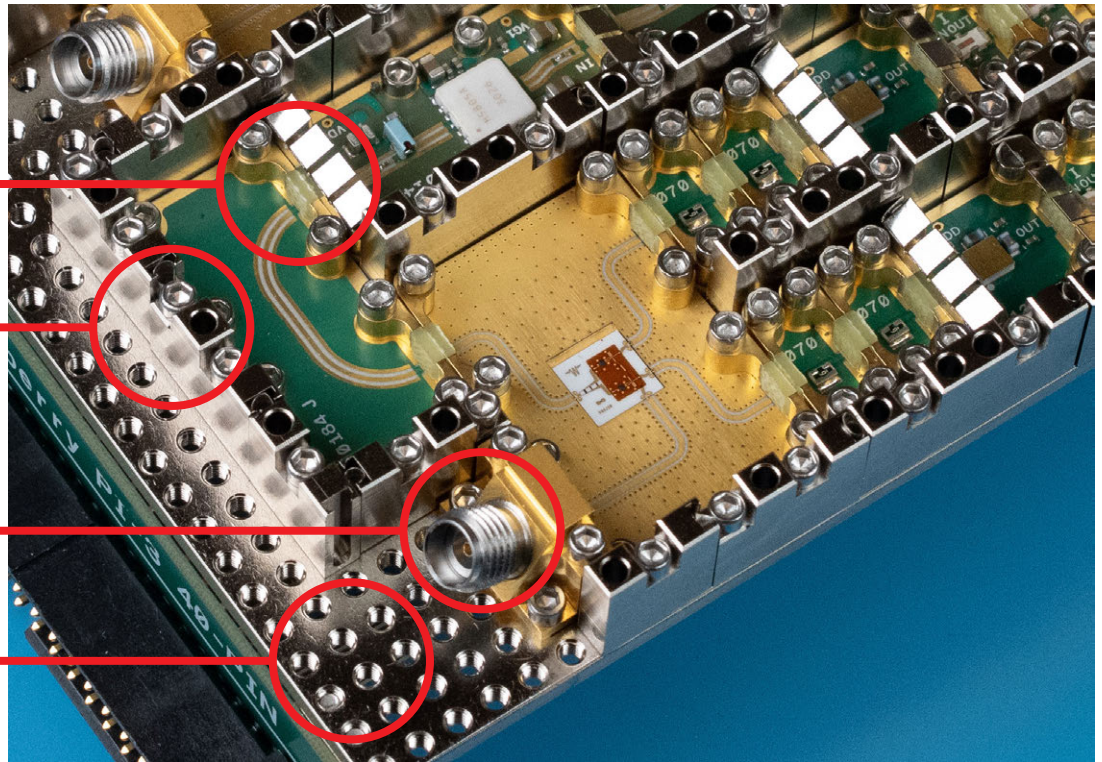
Solderless Interconnect

Modular Walls and Lids

X-MWprobe (DC-67 GHz)

Grid Based Design

0.135" x 0.135"



X microwave

Optimizing the RF and microwave design process from DC to 95 GHz by seamlessly merging simulation, prototyping and production.



Communications



Aerospace



Defense

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