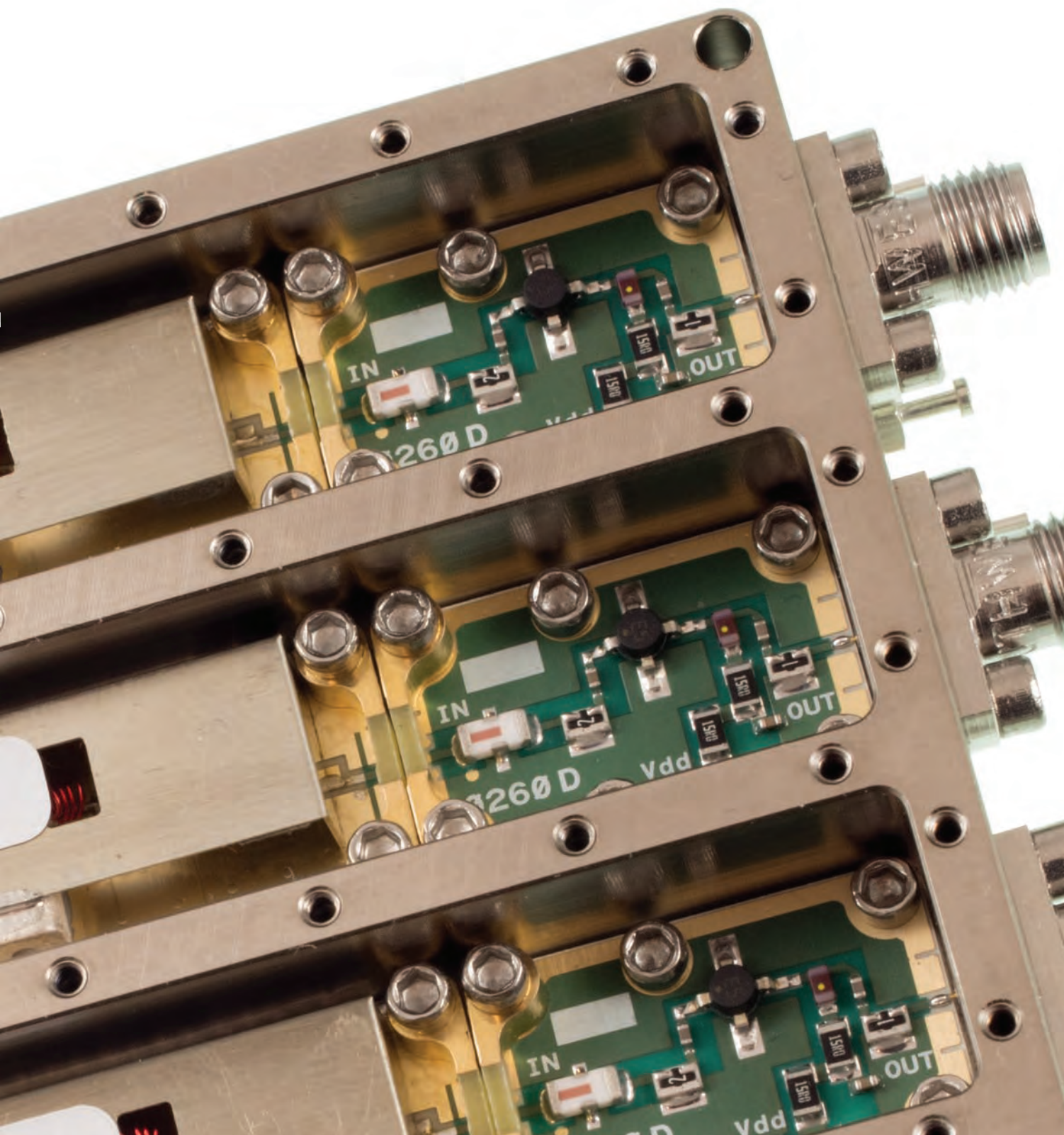


SPOTLIGHT ON

Mini-Circuits®



 **microwave**

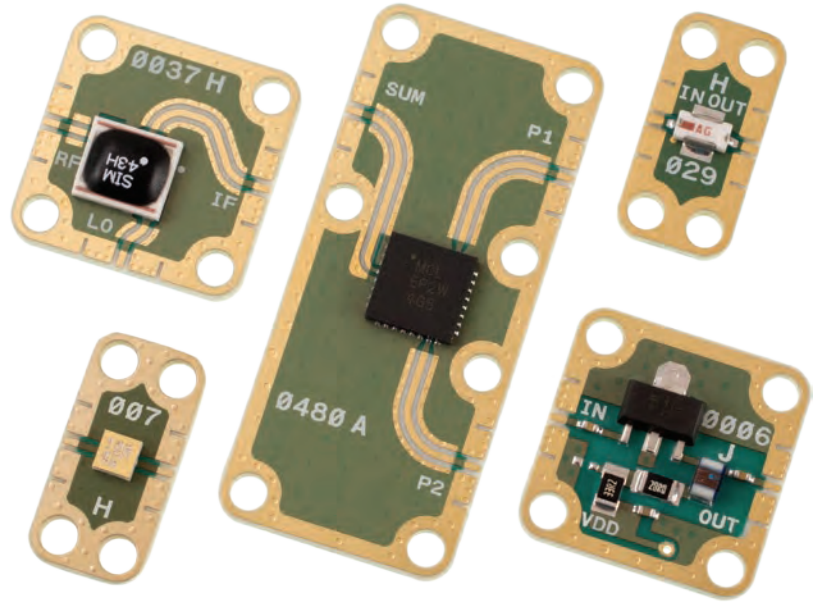
X microwave

Modular Building Block System

100's of Mini-Circuits drop-in components
Covering all RF device categories including

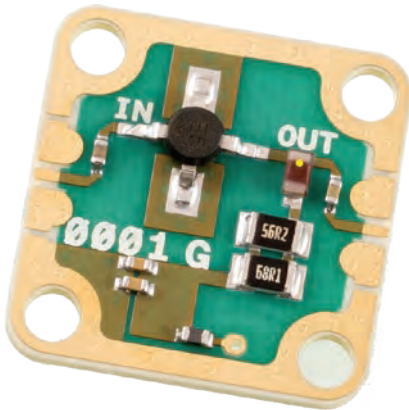
- Amplifiers
- Filters
- Mixers
- Splitters
- Switches
- Phase Shifters

Drop-in and connectorized options
Bias and control boards available



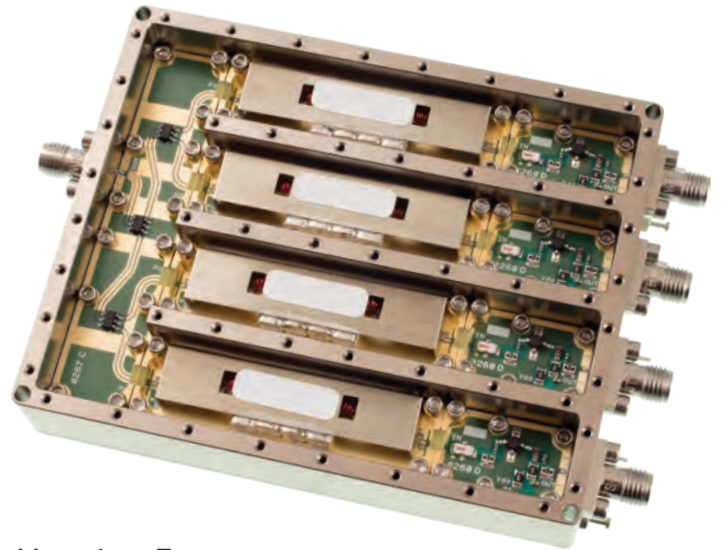
Drop-in Component

Mini-Circuits monolithic amplifier
DC - 4 GHz, Part Number ERA-5SM+
X-Microwave PN: XM-A116-0404D



Custom Connectorized Module

Combined Mini-Circuits splitters, filters, and amplifiers
to build a production ready LO distribution module



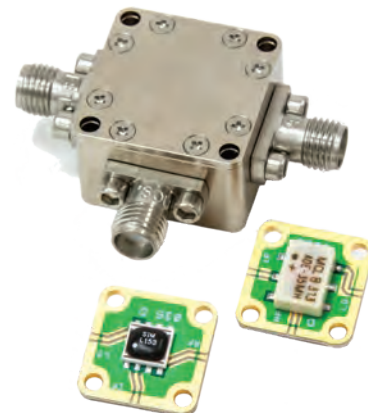
Bias Controller

Voltage regulation matched to
RF board power requirements
X-Microwave PN: XM-A2K1-0404D



Housing Features

Machined H-frame design with mounting holes
Nickel-plated aluminum housing
Super SMA, 2.92mm and 1.85mm connector options





X-MWblock Availability

Mini-Circuits devices available at minicircuits.com and xmicrowave.com

GALI-51+

High Dynamic Range MMIC Amplifier, SMT, DC to 4 GHz

Data, Drawings & Downloads		Additional Information	
	DATASHEET		Get the X-MWblock® drop-in
	View Data		Export Info
	View Graphs		RoHS
	S-PARAMETERS		General Technical Notes
	Case Style - DF782		Application Notes
	T & R - F55		PCN History
	PCB Layout - 98-PL-019		Tools
	Test Board TB-409-51+		Contact Us
	Gerber file TB-409-51+		
	Environmental Rating - ENV08T2		
View All			

Pricing & Availability	
Quantity	Unit Price
20	\$1.65
50	\$1.65
100	\$1.65
200	\$1.65
500	\$1.55
1000	\$1.55

QTY: [Add to Cart](#)

[Change \\$,£,€ and Delivery Options](#)

[E2 SAMPLES](#)

Pricing shown in USD and based on delivery from US.

This part is available to sample for free through our E2-Sample Program!

Companion Products			
	Attenuators		Bias Tees
	Directional Couplers		Filters
	Limiters		Frequency Mixers

Test Board(with unit mounted)		
Description	Unit Price	QTY
GALI-51+ on Test Board TB-409-51+	\$111.95	<input type="text"/>



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

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A111D_G.s2p
[S-Parameter Plot \(Full Screen\)](#)



Amplifiers

XM-A111-0404D

Amplifier, Gali-51+ [PCB: 530]
F=50M-4G
Recommended Bias Controller: XM-A2K1-0404D

\$85
1
Add to Quote

- [▶ X-MW Characteristics](#)
- [▶ Bias and Sequencing](#)

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Learn More @



Gali-51+

[▶ Gali-51+ Datasheet](#)

Manuf Characteristics

Low Freq (MHz)	DC
High Freq (MHz)	4000
Gain (dB)	16.1
NF (dB)	3.5
P1dB (dBm)	18
IP3 (dBm)	35

X-Microwave Design System

Design **On the Grid** using a wide range of Mini-Circuits components including amplifiers, mixers, filters, and more.

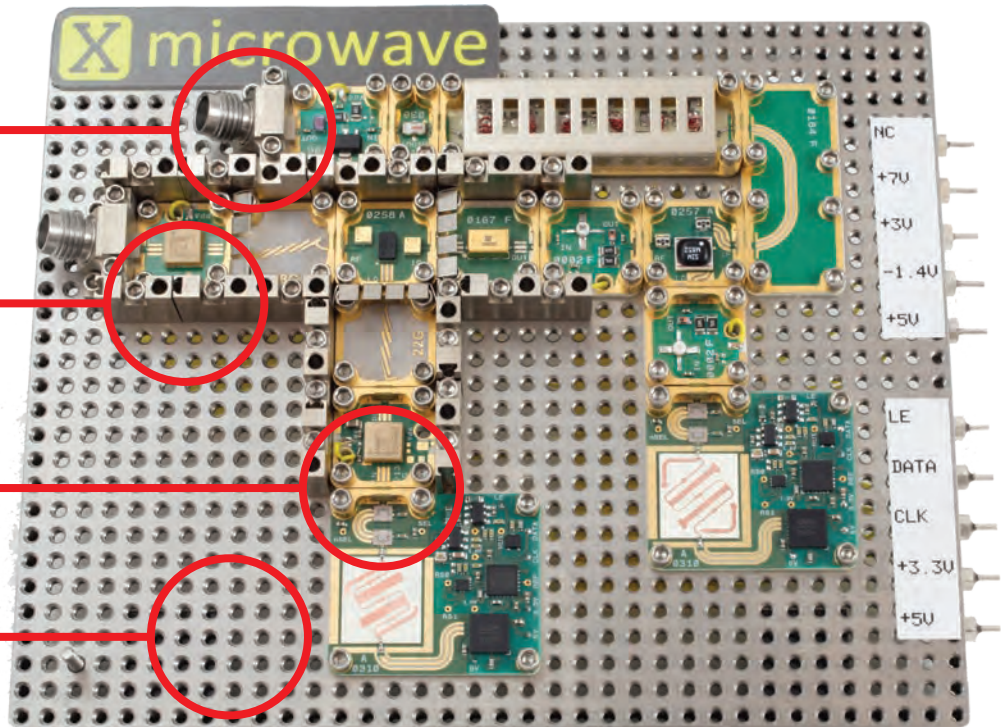
67 GHz Probe

Modular Walls and Lids

Solderless Interconnect

Grid Based Design

0.135" x 0.135"



X microwave

Optimizing the RF and microwave design process from DC to 67 GHz
by seamlessly merging simulation, prototyping and production.



Communications



Aerospace



Defense

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