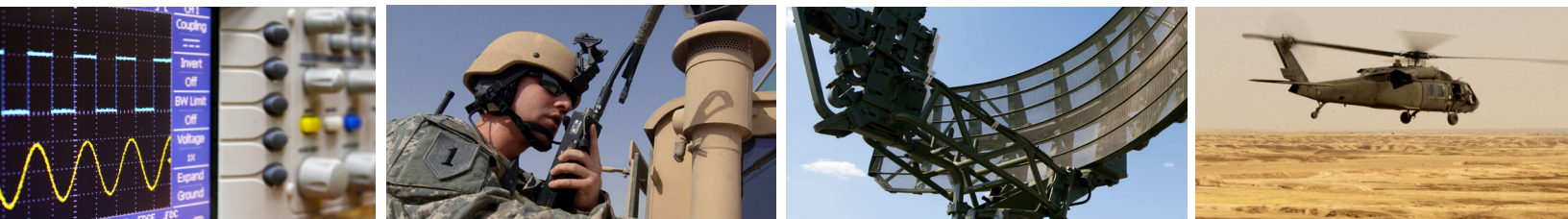


The Ultimate in Performance MMICs



DC-40GHz

Broadband Amplifiers

Low-Noise Amplifiers

Switches

MMIC Selection Guide

Function	Frequency (GHz)	P1dB (dBm)	Gain (dB)	OIP3 (dBm)	NF (dB)	Bias	Package	Part Number
Wideband Amp	DC-9	11	11	22	2.6 @ 10GHz	4V, 24mA	QFN	MMA012QA
Wideband Amp	DC-10	15	12	27	2.6 @ 10GHz	4V, 45mA	QFN	MMA011QA
Wideband Amp	DC-12	18	13	29	2.6 @ 10GHz	4V, 80mA	QFN	MMA010QA
Wideband Amp	DC-14	11-18 ¹	13	22-29 ¹	2.6 @ 10GHz	4V, 24-80mA ¹	Die	MMA015AA
Wideband Amp	DC-15	15	11	25	2.6 @ 10GHz	4V, 45mA	QFN	MMA013QA
Wideband Amp	DC-15	18	12	28	2.6 @ 10GHz	4V, 80mA	QFN	MMA014QA
Wideband Amp	DC-15	11-18 ¹	14	22-29 ¹	2.6 @ 10GHz	4V, 24-80mA ¹	Die	MMA016AA
Wideband LNA	DC-22	15	16	28	1.7dB @ 10GHz	8V, 60mA	Die	MMA001AA
Wideband Amp	2-16	11-18 ¹	12	22-29 ¹	–	4V, 28-95mA ¹	Die	MMA017AA
Wideband LNA	2-22	13	13.5	26	1.9dB @ 10GHz	5V, 60mA	Die	MMA003AA
Wideband LNA	2-22	15	12.5	25	1.9dB @ 10GHz	8V, 65mA	Die	MMA005AA
Medium Power Amp	5-20	19	18	26	–	5V, 125mA	Die	MMA002AA
Wideband LNA	6-18	15	21	28	1.5dB @ 10GHz	4V, 100mA	Die	MMA004AA

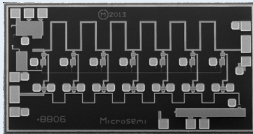
[1] Power can be selected by choosing on-chip source resistor

Function	Frequency (GHz)	Insertion Loss (dB)	Isolation (dB)	P1dB (dBm)	Control Voltage	Package	Part Number
SP4T Non-reflective	DC-8	1.3	50	23	0/-5V	Die	MMS001AA
SPDT Non-reflective	DC-20	1.7	45	23	0/-5V	Die	MMS002AA
SPDT Reflective	32-38	0.7	25	40	+/-15V	Die	MMS003AA*

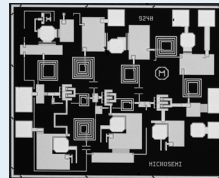
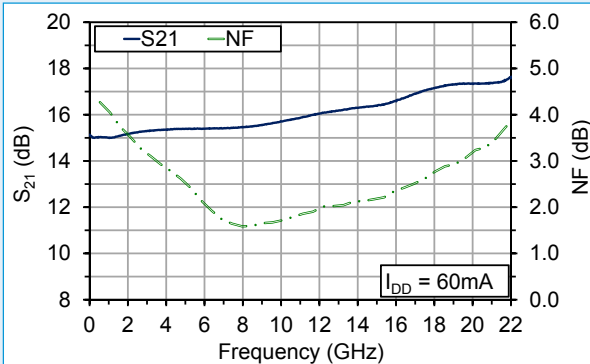
Preview products are in red.

* Subject to ITAR Control

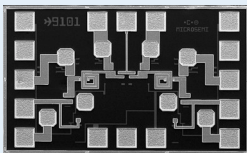
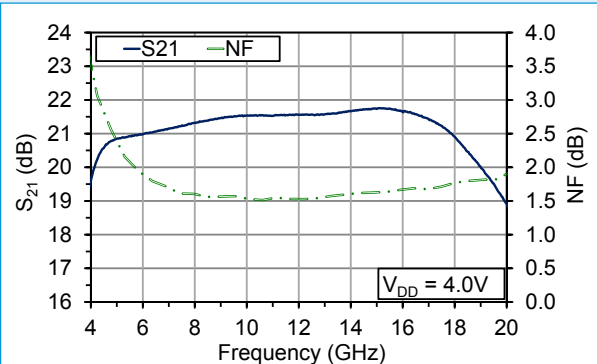
The Ultimate in Performance MMICs



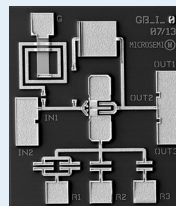
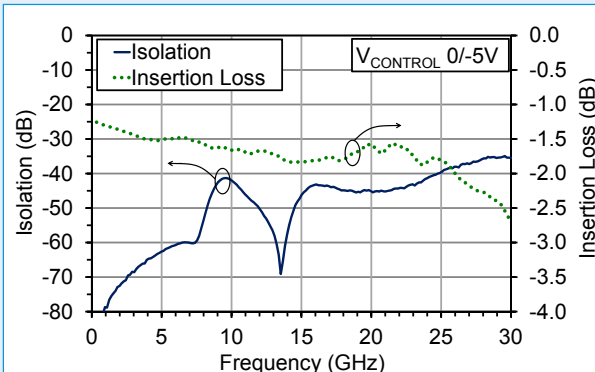
MMA001AA
DC-20GHz 16dB Gain
Wideband LNA



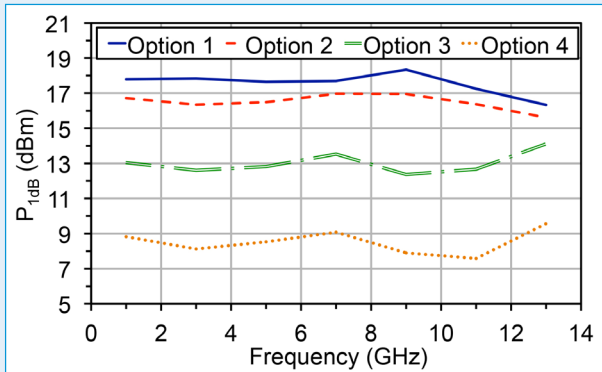
MMA004AA
6-18GHz 21dB Gain
Wideband LNA



MMS002AA
DC-20GHz
High-Isolation SPDT


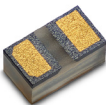

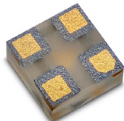
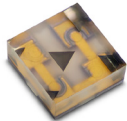


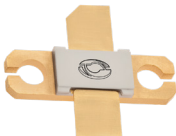
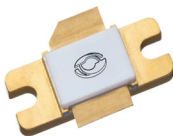
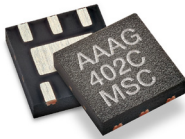
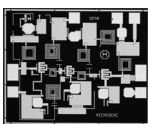
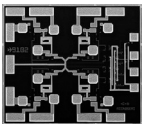

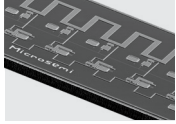
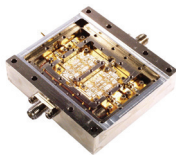

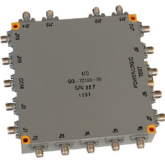



MMA015AA
Power Selectable
Wideband Amplifier



Power can be selected via bonding option

Microsemi RF Integrated Solutions

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