



New and Upcoming Products in 2016

MMIC & Microlithic® Mixers and Doublers

Marki's MMIC and Microlithic® mixers and frequency doublers are the best in the world. Developed feverishly over the past few years, these new products achieve an unparalleled combination of industry leading performance with small size and excellent affordability. And guess what? We're just getting started...stay tuned for more incredible, ground breaking mixer announcements in the coming months.

Part Number	RF/LO (GHz)	IF (GHz)	Package	Description
MM1-0310H*	3-10	DC-4	Chip & SMT	Double Balanced, General Purpose
MM1-0310S*	3-10	DC-4	Chip & SMT	Double Balanced, High Linearity
MM1-0320H	3.5-20	DC-4	Chip & SMT	Double Balanced, General Purpose
MM1-0424S	4.5-24	DC-4	Chip & SMT	Double Balanced, High Linearity
MM1-0626H	6-26.5	DC-9	Chip & SMT	Double Balanced, General Purpose
MM1-0626S*	6-26.5	DC-9	Chip & SMT	Double Balanced, High Linearity
MM1-1130H	11-30	DC-12	SMT	Double Balanced, General Purpose
MM1-1140H	11-40	DC-12	Chip	Double Balanced, General Purpose
MM1-1850S*	18-50	DC-20	Chip	Double Balanced, High Linearity
MM1-1857H	18-57	DC-21	Chip	Double Balanced, General Purpose
MLIQ-0416SM	4-16	DC-3	SMT	Surface Mount Microlithic® IQ Mixer
MLIQ-0218SM	2-18	DC-3	SMT	Surface Mount Microlithic® IQ Mixer
MMD-0515SM*	5.5-15 (in)	11-30 (out)	Chip & SMT	MMIC Passive Frequency Doubler

***Coming Soon**

High Linearity T3 Mixers with Integrated LO Amplifiers

The T3 Mixer® is Marki's flagship hybrid mixer line and remains undisputed king of bandwidth and linearity in the RF Industry. Now, you can buy the mixers with optimized LO driver amplifiers to achieve the best linearity available today. These new T3A products replace the previous product offerings and achieve better performance, lower cost, and superior packaging.

Part Number	RF/LO (GHz)	IF (GHz)	Package	Description
T3A-07SMG	0.01-7	0.001-4	SMT	Integrated T3 with Square wave amplifier
T3A-07PA	0.01-7	0.001-4	Module	Integrated T3 with Square wave amplifier
T3A-12SMG*	0.01-12	0.001-4	SMT	Integrated T3 with Square wave amplifier
T3A-12PA*	0.01-12	0.001-4	Module	Integrated T3 with Square wave amplifier
T3A-20PA*	0.01-20	0.001-4	Module	Integrated T3 with Square wave amplifier

***Coming Soon**

MMIC Distributed Amplifiers

During IMS 2015, Marki announced their entrance into the MMIC amplifier space. One year later, 7 catalog parts are offered. These amplifiers are ideal as mixer driver amplifiers or as general purpose broadband gain blocks. All amplifiers can be operated with a grounded gate for customers who covet positive bias only operation.

Part Number	Band (GHz)	P _{sat} (dBm)	Gain (dB)	Package	Application
ADM-0026-5929SM	DC-26.5	20	13.5	SMT	Best T3 Driver
ADM-0126-5835SM	1-26.5	17	11	SMT	Better T3 Driver
ADM-0026-5931SM	DC-26.5	16	10.5	SMT	T3 Pre-amp or Driver
ADM-0012-5931SM	DC-12	15	11	SMT	T3 Pre-amp or Driver
ADM-0126-5928SM	0.3-26.5	17	13.5	SMT	ML1/MM1 Mixer Driver
ADM-0026-5915SM	DC-26.5	17	13.5	SMT	ML1/MM1 Mixer Driver

Amplifier and Multiplier Modules

Part Number	Band (GHz)	P _{sat} (dBm)	Gain (dB)	Application
ADM1-0026PA	0.005-26.5	20	12	Single Stage General Purpose Amplifier
ADM2-0026PA*	0.005-26.5	20	24	Two Stage General Purpose Amplifier
DAD-1640*	18-40 (out)	0		X4 Quadrupler with Amplifier

***Coming Soon**

Broadband Passive Products

Part Number	Band (GHz)	Description
PD-0426	4-26	Broadband Wilkinson Power Divider, Ideal for Signal Integrity
PD-0440	4-40	Broadband Wilkinson Power Divider, Ideal for Signal Integrity
PD-0450	4-50	Broadband Wilkinson Power Divider, Ideal for Signal Integrity
PD-0465	4-65	Broadband Wilkinson Power Divider, Ideal for Signal Integrity
BALH-0010	200kHz-10GHz	Broadband Connectorized Balun
C17-0R506	0.5-6	Low Loss, High Power Broadband 17 dB Coupler
C17-0R512	0.5-12	Low Loss, High Power Broadband 17 dB Coupler
C17-0R518	0.5-18	Low Loss, High Power Broadband 17 dB Coupler

For more information contact the factory.

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