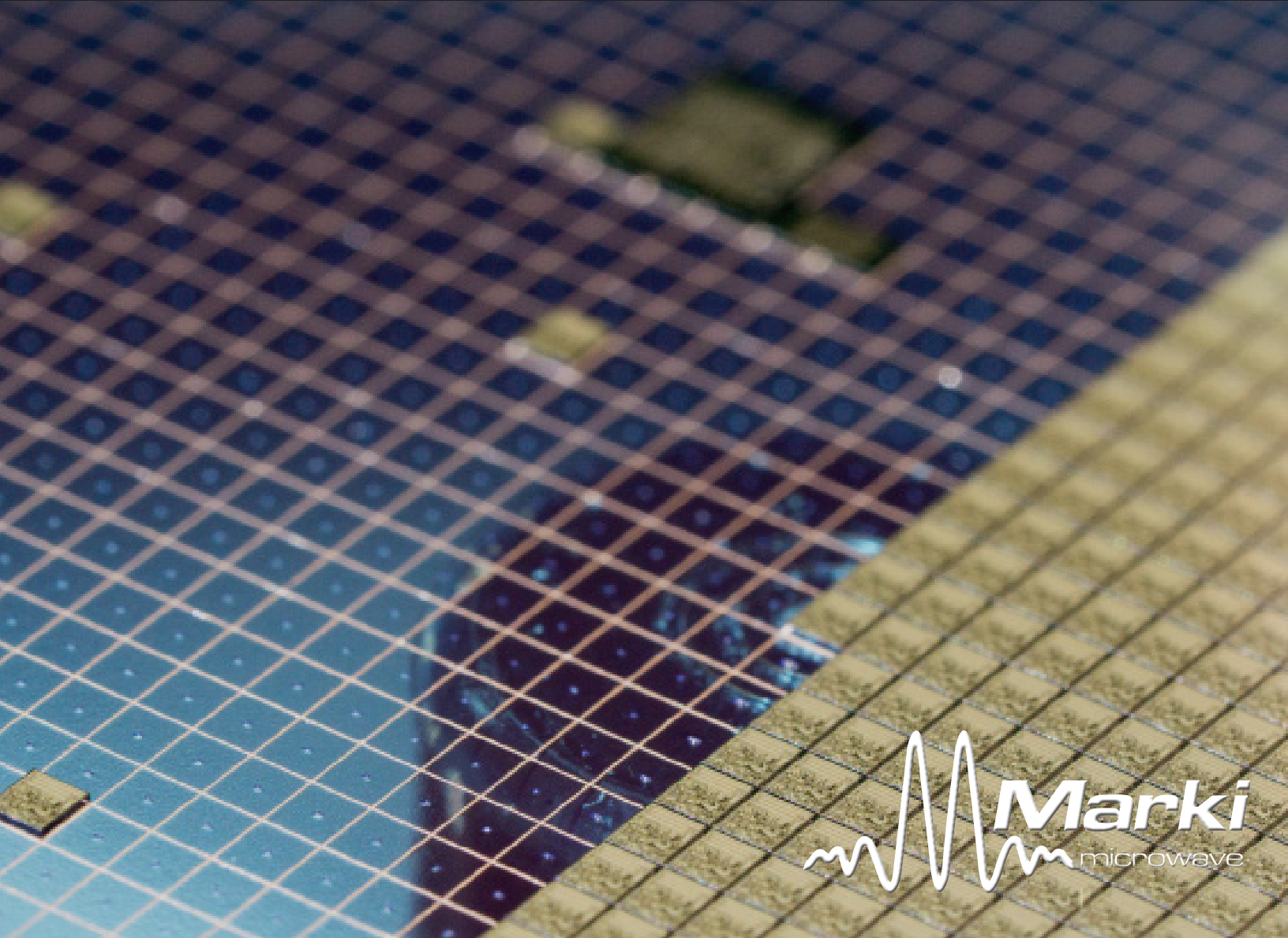
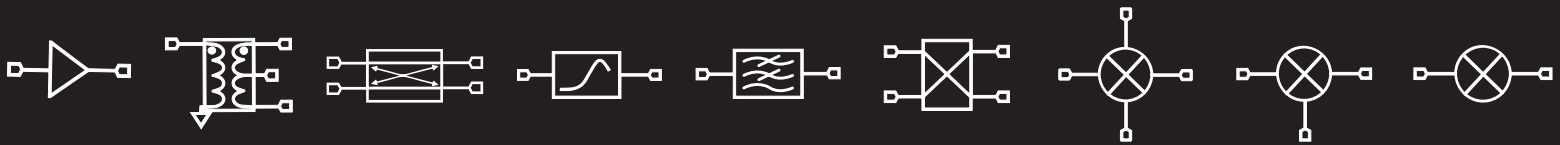


RF/MICROWAVE COMPONENTS | DC TO 85GHz

BARE DIE & SURFACE MOUNT

SUMMER 2020



AMPLIFIERS

Part Number	Band (GHz)	Gain (dB)	Psat (dBm)	Bias Voltage (V)	Bias Current (mA)	Package
ADM-0012-5931SM	DC-12	11	18	3-7 / -0.3 - 0	85	3mm QFN
ADM-0026-5929SM	DC-26.5	13	20	3-7 / -0.3 - 0	165	4mm QFN
ADM-5931CH	DC-28	11	18	3-7 / -0.3 - 0	85	Die
ADM-5974CH	DC-35	14	22	3-7 / -0.3 - 0	160	Die
APM-6848CH/SM*1	2-30	23/22	21/20	5	46	Die & 4mm QFN
APM-6849CH/SM*1	2-30	11	21	5	23	Die & 3mm QFN
AMM-6702CH/SM	20-55/50	28	22	3-4 / -0.6 - -0.4	200	Die & 4mm KFN

¹Low Phase Noise

BALUNS

Part Number	Band (GHz)	Amplitude Balance (dB)	Phase Balance (°)	Package
BAL-0003SMG	.0005-3	0.3	3	SMT
BALH-0003SMG	.0005-3	0.2	2	SMT
BAL-0006SMG	.0005-6	0.4	3	SMT
BALH-0006SMG	.0005-6	0.2	3	SMT
BAL-0009SMG	.0005-9	0.6	5	SMT
BALH-0009SMG	.0005-9	0.8	5	SMT
BAL-0012SSG*	.01-12	0.6	5	SMT
MBAL-0104SM	1-4	0.2	2	4mm QFN
BAL-0208SMG	2-8	0.3	1	SMT
MBAL-0220SM	2-20	0.25	3	4mm QFN
BAL-0416SMG	4-16	0.4	1	SMT
BAL-0620SMG	6-20	0.2	1	SMT
MBAL-1440CH	14-40	0.2	1.1	Die

EQUALIZERS

Part Number	Band (GHz)	Low Freq Attenuation (dB)	Description	Package
MEQX-7ACH/ASM	DC-7	3, 6, 10 & 12.5	Positive Gain Slope	Die & 3mm QFN
MEQX-14ACH/ASM	DC-14	3, 6 & 10	Positive Gain Slope	Die & 3mm QFN
MEQX-20ACH/ASM	DC-20	3, 5, 6, 7.5, 10 & 11	Positive Gain Slope	Die & 3mm QFN
MEQX-30ACH	DC-30	3, 6 & 10	Positive Gain Slope	Die
MEQX-60ACH	DC-60	3, 6 & 10	Positive Gain Slope	Die

FILTERS

Part Number	Fc (GHz)	1 dB Passband (GHz)	Loss (dB)	Type	Package
MFB-1100CH	11	9.5-12.5	2.0	Bandpass	Die
MFB-1600CH	16	12.6-18.6	1.5	Bandpass	Die
MFB-2025CH	20.25	16.75-24.4	1.5	Bandpass	Die
MFB-2400CH	24	21-27	1.5	Bandpass	Die
MFB-2500CH	25	18-32	1.5	Bandpass	Die
MFB-2625CH	26.25	21.5-30	1.5	Bandpass	Die
MFB-3175CH	31.75	26.6-36.7	1.5	Bandpass	Die
MFB-3300CH	33	26-40	1.5	Bandpass	Die
MFB-3325CH	33.25	32-34.3	2.5	Bandpass	Die
MFB-3450CH	35	24-45	1.5	Bandpass	Die
MFB-3475CH	34.75	29.95-40	2.0	Bandpass	Die
MFB-5350CH	53	40-67	1.2	Bandpass	Die
MDPX-2330CH	-	DC-23, 30-60	0.8	Diplexer	Die
MDPX-2734CH	-	DC-27, 34-60	0.9	Diplexer	Die

LIMITERS

Part Number	Band (GHz)	Loss (dB)	Flat Leakage (dB)	Peak Power CW (W)	Peak Power Pulsed (W)	P1dB (dBm)	Package
<i>DLM-10SM</i>	DC-10	0.75	ADJ	0.5	-	10	3mm QFN
<i>HLM-40CH</i>	DC-40	0.4@18GHz	18	4	20	15	Die

IQ MIXERS

Part Number	RF/LO (GHz)	IF (GHz)	Image Rej (dBc)	L-R Isolation (dB)	Package
<i>MMIQ-0205HSM</i>	1.75-5	DC-2	32	61	5mm QFN
<i>MMIQ-0218(L/H)CH,SM*</i>	2-18	DC-3	27/35	58/53	Die & 6mm QFN
<i>MMIQ-0416(L/H)SM</i>	4-16	DC-6	35/31	51	4mm QFN
<i>MMIQ-0520(L/H)CH,SM</i>	5-20	DC-6	35	46	Die & 4mm QFN
<i>MMIQ-0626(L/H)CH,SM</i>	6-26	DC-6	35	41	Die & 4mm QFN
<i>MMIQ-1037HCH</i>	10-37	DC-12	25	47	Die
<i>MMIQ-1040(L/S)CH</i>	10-40	DC-12	25	47/44	Die
<i>MMIQ-1865(L/H/S)CH</i>	18-65	DC-23	35	49/48/50	Die

DOUBLE BALANCED MIXERS

Part Number	RF/LO (GHz)	IF (GHz)	IIP3 (dBm)	LO Drive (dBm)	Package
<i>ML1-0110SM</i>	1.5-10	DC-2	+21	+17	SMT
<i>MM1-0212(L/H/S)CH,SM</i>	2-12	DC-3	+13/+23/+26	+9/+15/+20	Die & 4mm QFN
<i>MM1-0222(L*/H)CH,SM</i>	2-22	DC-3.5	+11.5/+20	+9/+15	Die & 3mm QFN
<i>MM1-0312(H/S)CH,SM</i>	3-12	DC-4.5	+19/+24	+15/+20	Die & 3mm QFN
<i>MM1-0320(L/H)CH</i>	3-20	DC-4	+10/+20	+7/+15	Die
<i>MM1-0320HSM</i>	3-20	DC-4	+20	+15	3mm QFN
<i>MM1-0424SCH/SSM</i>	4.5-24	DC-4	+25	+20	Die
<i>MM1-0626(H/S)CH,SM</i>	6-26.5	DC-9	+21/+25	+15/+20	Die & 3mm QFN
<i>MM1-0726HSM</i>	7-26.5	DC-9	+17	+20	3mm QFN
<i>MM1-0832(L/H)CH</i>	8-32	DC-12	+14/+23	+9/+15	Die
<i>MM1-0832(L/H)SM</i>	8-32	DC-12	+11/+21	+9/+15	3mm QFN
<i>MM1-1044(L/H)CH</i>	10-44	DC-14	+13/+22	+9/+15	Die
<i>MM1-1140HCH</i>	11-40	DC-12	+21	+15	Die
<i>MM1-1130HSM</i>	11-30	DC-12	+21	+15	3mm QFN
<i>MM1-1240SCH</i>	12-40	DC-12	+25	+20	Die
<i>MM1-1453HSM*</i>	14-53	DC-22	+16.5	+15	4mm QFN
<i>MM1-1467(L/H)CH</i>	14-67	DC-21	+12/+17.5	+13/+15	Die
<i>MM1-1850(H/S)CH</i>	18-50	DC-20	+21/+25	+15/+20	Die
<i>MM1-1850(H/S)SM</i>	18-50	DC-21	+17/+28	+15/+20	4mm KFN
<i>MM1-1857(L/H)CH</i>	18-57	DC-21	+13/+20	+9/+13	Die
<i>MM1-2567LCH/LSM</i>	25-67	DC-30	+9	+13	Die

TRIPLE BALANCED MIXERS

Part Number	RF/LO (GHz)	IF (GHz)	IIP3 (dBm)	LO Drive (dBm)	Package
<i>MM2-0530(L/H)CH,SM</i>	5-30	2-20	+15/+21	+15/+20	Die & 4mm QFN
<i>MT3-0113(L/H/S)CQG</i>	1.5-13	0.01-7	+24/+30/+36	+15/+20/+27	SMT
<i>MT3L-0113HCH/HSM</i>	1.5-13	0.25-5	+20	+30	Die & 4mm QFN
<i>MT3H-0113(L/H)CH</i>	1.5-13	0.8-8.5	+20/+28	+15/+20	Die
<i>MT3H-0113(L/H)SM</i>	1.5-13	0.8-8.5	+22/+29	+15/+20	4mm QFN
<i>T3-20GLCTG*</i>	0.1-20	0.001-10	+30	+20	SMT
<i>T3H-20GLCTG¹</i>	0.1-20	0.01-18	+30	+20	SMT

PASSIVE MULTIPLIERS

Part Number	Input (GHz)	Output (GHz)	1F Supp (dBc)	3F Supp (dBc)	Package
<i>MLD-0416SM</i>	2-8	4-16	40	40	SMT
<i>MMD-1030HCH/HSM</i>	5-15	10-30	34	46	Die & 3mm QFN
<i>MMD-1648LCH</i>	8-24	16-48	44	69	Die
<i>MMD-2050(L/H)SM*</i>	10-25	20-50	35/33	46/40	3mm QFN
<i>MMD-2060(L/H)CH</i>	10-30	20-60	37	40	Die
<i>MMD-3580LCH</i>	17.5-40	35-80	38	44	Die
<i>NLTL-6794SM*</i>	0.1-1	0.1-30	Low Phase Noise Harmonic Comb Generator		6mm QFN
<i>NLTL-6796SM*</i>	0.5-3.5	0.5-50			6mm QFN
<i>NLTL-6273SM</i>	0.7-5	0.7-24			5mm QFN
<i>NLTL-6273CH</i>	0.7-5	0.7-40			Die
<i>NLTL-6275CH</i>	3-15	3-85			Die

POWER DIVIDERS, 1:2

Part Number	Band (GHz)	Excess Loss (dB)	Amp Bal (dB)	Isolation (dB)	Type	Package
<i>PD-0030SMG</i>	DC-30	1	±0.25	6	Resistive	SMT
<i>PBR-0003SMG</i>	0.01-3	1.5	±0.8	40	High Isolation	SMT
<i>PBR-0006SMG</i>	0.01-6	1.7	±0.8	35	High Isolation	SMT
<i>PBR-0012SMG</i>	0.01-12	1.7	±1	30	High Isolation	SMT
<i>MPD-0226SM*</i>	2-26.5	3	±0.2	20	Wilkinson	4mm QFN
<i>PD-0434SM</i>	4-34	1.5	±0.25	20	High Isolation	SMT
<i>PD-0530SMG</i>	5-30	1.5	±0.1	25	Wilkinson	SMT
<i>PD-0535SM</i>	5-35	1.5	±0.25	18	Wilkinson	SMT

DIRECTIONAL COUPLER

Part Number	Band (GHz)	VSWR	Mean Coupling (dB)	Directivity (dB)	Package
<i>MC16-0222SM*</i>	2-22	1.22	16	19	4mm QFN

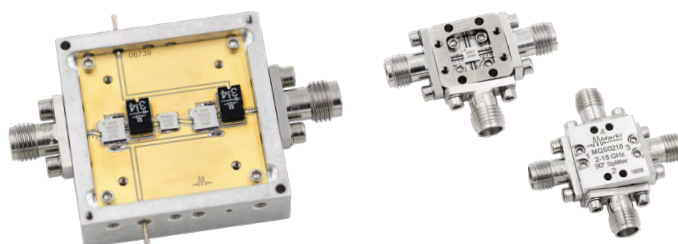
90° QUADRATURE HYBRIDS

Part Number	Band (GHz)	Amplitude Balance (dB)	Phase Balance (°)	Package
<i>MQS-0209CH</i>	2-9	±0.5	±3	Die
<i>MQS-0218CH/SM*</i>	2-18	±1	±3	Die & 4mm QFN
<i>MQH-2R58R5CH</i>	2.5-8.5	±0.4	±3	Die
<i>MQH-3R510CH</i>	3.5-10	±0.4	±1.5	Die
<i>MQS-0418CH</i>	4-18	±0.4	±0.5	Die
<i>MQH-0517CH</i>	5-17	±0.5	±6	Die
<i>MQS-0518SM*</i>	5-18	±0.5	±2.5	4mm QFN
<i>MQH-0920CH</i>	9-20	±0.55	±2	Die
<i>MQH-1434CH</i>	14-34	±0.7	±4.5	Die
<i>MQH-1842CH</i>	18-42	±1.5	±4	Die

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