

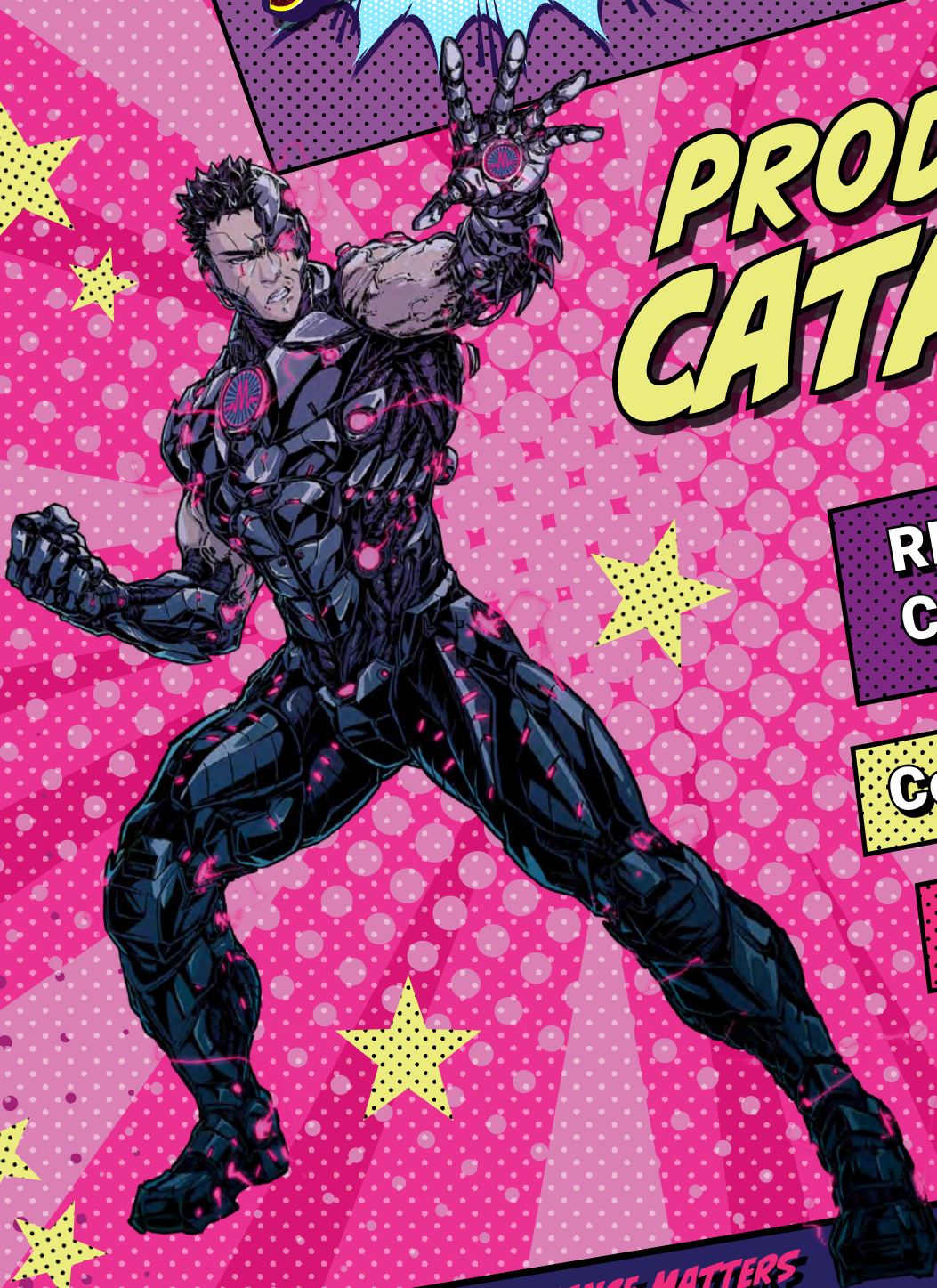
JULY 2026



**SMASHING**

**Performance  
BARRIERS**

**PRODUCT  
CATALOG**



**RF & mmWave  
Components**

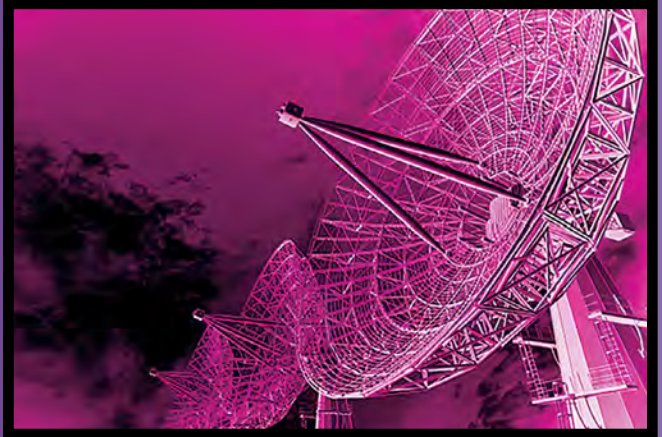
**Connectorized**

**Waveguide**

**THE TRUSTED LEADER WHEN PERFORMANCE MATTERS**



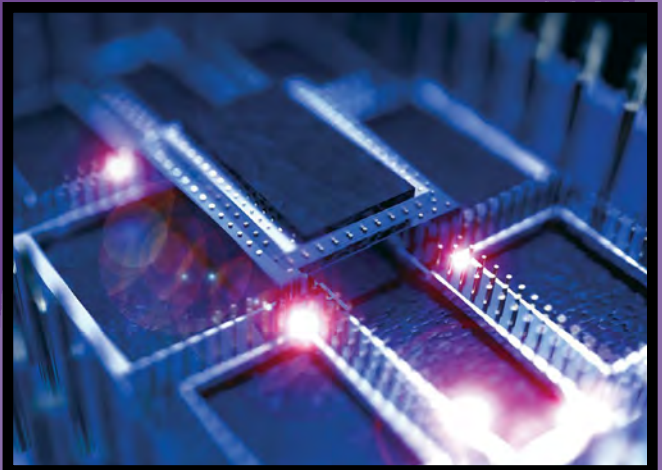
**M**arki Microwave holds a unique place in the RF and millimeter wave industry, combining time-honored hybrid fabrication and assembly techniques with a modern MMIC design approach. This enables us to push the technological boundaries of broadband RF and microwave components like never before, supporting frequencies from DC to sub-terahertz.



Marki Microwave's right-first-time design methodology ensures the simulation data we deliver provides a highly accurate representation of actual device performance under real operating conditions. This methodology enables efficient reuse of our extensive IP portfolio, addressing diverse application requirements while reducing design iteration cycles and accelerating time-to-deployment.

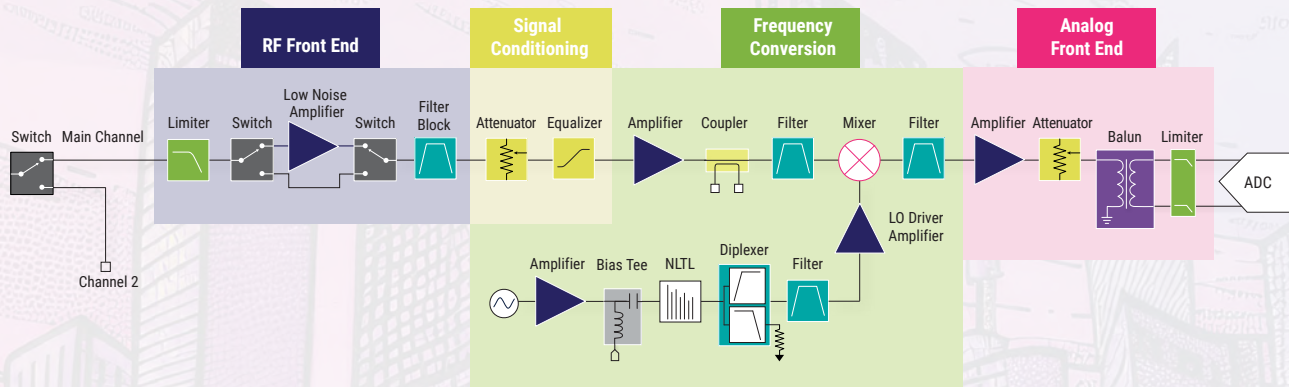
At the core of this capability is a unified simulation flow employed across our engineering organization, incorporating full 3D electromagnetic simulation for all MMIC products, including the die, package interfaces, RF launches, and, where applicable, the final mechanical enclosure. These simulations are executed using custom process design kits (PDKs) and leverage a validated and continuously expanding IP library, ensuring first-pass success and high correlation between simulated and measured performance from concept through production release.

At Marki Microwave, we engineer packaging as precisely as we design our MMICs. Marki Microwave's portfolio spans high-performance stripline and low-loss suspended substrate designs to MMIC-integrated connectorized and waveguide solutions. Our inline bullet housings, optimized for our extensive bare die portfolio, deliver low loss and excellent return loss across wide bandwidths, while our multi-octave M-Package and precision waveguide assemblies extend operation into millimeter wave. By co-designing the die and its housing, we ensure optimal electrical and mechanical performance. Marki Microwave delivers one of the most comprehensive selections of high-performance die, surface mount, connectorized, and waveguide microwave components in the world, and we have only just started!



# THE TRUSTED LEADER WHEN PERFORMANCE MATTERS

For more than 30 years, Marki Microwave has pushed the boundaries of RF and microwave performance through a portfolio of industry-leading, high-frequency components. Founded in 1991 with a mission to build the industry's best mixers, the company now delivers broadband solutions across the entire RF signal chain, supporting applications from DC to sub-THz frequencies in die, surface-mount, and connectorized form factors.



Trusted globally by innovators in aerospace and defense, test and measurement, and satellite communications, Marki Microwave continues to engineer the technology breakthroughs powering next-generation systems.

Learn more at [www.markimicrowave.com](http://www.markimicrowave.com).

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# CONNECTORIZED

## ADAPTERS, High Performance

Part Number	Band (GHz)	VSWR	Description	ECCN
<a href="#">ADPFKFK</a>	DC-40	1.1	2.92mm F to 2.92 mm F	EAR99
<a href="#">ADPMKMK</a>	DC-40	1.1	2.92mm M to 2.92mm M	EAR99
<a href="#">ADPMKFK</a>	DC-40	1.1	2.92mm M to 2.92mm F	EAR99
<a href="#">ADPFVFK</a>	DC-40	1.15	2.4mm F to 2.92 mm F	EAR99
<a href="#">ADPFVMK</a>	DC-40	1.15	2.4mm F to 2.92mm M	EAR99
<a href="#">ADPMVFK</a>	DC-40	1.15	2.4mm M to 2.92 mm F	EAR99
<a href="#">ADPMVMK</a>	DC-40	1.15	2.4mm M to 2.92mm M	EAR99
<a href="#">ADPFVJV</a>	DC-50	1.15	2.4mm F to 2.4mm F	EAR99
<a href="#">ADPMVMV</a>	DC-50	1.15	2.4mm M to 2.4mm M	EAR99
<a href="#">ADPMVJV</a>	DC-50	1.15	2.4mm M to 2.4mm F	EAR99
<a href="#">RA40(FM)</a>	DC-40	1.4	2.92M to 2.92F	EAR99
<a href="#">RA50(FM/MM)</a>	DC-50	1.4	2.92M to 2.92F	EAR99

## AMPLIFIERS, Driver

Part Number	Band (GHz)	Gain (dB)	Psat (dBm)	OIP3 (dBm)	Voltage (V)	Current (mA)	ECCN
<a href="#">ADM3-00001PD</a>	0.0003-18	37	+23	+31	See Datasheet	120, 120, 100	EAR99
<a href="#">AMM2-0020UH</a>	0.01 - 20	29	+23	+33	+5.5 to +20 VD	240	EAR99
<a href="#">APM-7099PA</a>	0.1-20	14	+25	+24	+8 VC and +7 VB	72	EAR99
<a href="#">ADM3-0022PA</a>	0.01-22	35	+30	+31	See Datasheet	115, 115, 450	EAR99
<a href="#">APM-7098PA</a>	0.1-22	14	+23	+24	+8 VC and +7 VB	44	EAR99
<a href="#">APM-7516PA</a>	1-22	12.5	+23	+33	+5 VC and +5 VB	106	EAR99
<a href="#">ADM1-0026PA</a>	0.005-26.5	12	+20	+25	+3 to +7 VD and -0.3 to 0 VG	165	EAR99
<a href="#">AMM-7473PC</a>	0.4-26.5	16	+25	+34	+5 to +7 VD and -0.7 to -0.6 VG	150	EAR99
<a href="#">APM-6849PA</a>	2-29	11	+21	+21	+7 VC and +7 VB	21	EAR99
<a href="#">ADM2-0035PA</a>	0.1-35	23	+23	+30	+3 to +7 VD and -0.3 to 0 VG	320	EAR99
<a href="#">AMM-7199UC</a>	11-38	20.5	+21	+31	+3 to +4 VD and -0.6 to -0.4 VG	180	EAR99
<a href="#">ADM1-8007APC</a>	2-40	22	+22	+30	+3 to +6 VD and +3 to +6VG	213	EAR99
<a href="#">AMM-7200UC</a>	12-46	18	+21.5	+29	+3 to +4 VD and -0.6 to -0.4 VG	180	EAR99
<a href="#">AMM-6702(UC/UC5)</a>	20-55	24	+21	+27	+3 to +4 VD and -0.6 to -0.4 VG	180/230	EAR99
<a href="#">AMM-8211UC5</a>	22-57	13	+21	+27	+3.5 to +5.5 VB	175	EAR99
<a href="#">AMM-7203UC</a>	30-60	11.5	+16	+21	+1.5 to +3 VD and -0.6 to -0.4 VG	80	EAR99
<a href="#">A-3567UC</a>	35-67	19	+20	+26	+3 to +4 VD and -0.6 to -0.4 VG	300	EAR99
<a href="#">AMM2-0070UH</a>	0.01 - 70	18	+12	+20	+5.5 to +20 VD	108	EAR99
<a href="#">AMM-0001M</a>	45-95	11	+19	-	+1.5 to 4V VD and -1.5V to 0V VG	350	3A001.b.4.e.2
<a href="#">AMM-9893M</a>	45-95	18	+17	-	+3.5 V	360	3A001.b.2.h

\*New Release since 4/2026

All electrical specifications given are typical values.

**AMPLIFIERS, Gain Block and Low Noise**

Part Number	Band (GHz)	Gain (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	Voltage (V)	Current (mA)	ECCN
<a href="#">ADM1-8096PC</a>	0.09-6	22.5	1.5	+23	+35	+5 VD	84	EAR99
<a href="#">ADM-8622PC</a>	0.0003-10	15	2.1	+13	+27	+3.3 VD	42	EAR99
<a href="#">ADM1-8095PC</a>	0.09-10	18	1.6	+18.5	+32	+5 VD	57	EAR99
<a href="#">ADM-8344PC</a>	DC-18	18	1.4	+18	+27	+5 VD	103	EAR99
<a href="#">ADM-8558PC</a>	0.005-20	15	2.2	+14	+23	+6 VD	50	EAR99
<a href="#">ADM-8624PC</a>	0.2-20	10.5	3	+13.5	+26	+5 VD	40	EAR99
<a href="#">ADM-8556PC</a>	6-20	23	1.7	+15	+26	+3 VD	67	EAR99

**ATTENUATORS, Precision-Grade**

Part Number	Band (GHz)	Attenuation (dB)	Accuracy (dB)	Return Loss (dB)	ECCN
<a href="#">ATN03-0040BH</a>	DC-40	3	0.5	29	EAR99
<a href="#">ATN06-0040BH</a>	DC-40	6	0.9	30	EAR99
<a href="#">ATN10-0040BH</a>	DC-40	10	0.5	29	EAR99
<a href="#">ATN15-0040BH</a>	DC-40	15	0.5	27	EAR99
<a href="#">ATN20-0040BH</a>	DC-40	20	0.8	27	EAR99
<a href="#">ATN06-0067(-2HV/-3HV)</a>	DC-67	6.4	see datasheet	23	EAR99
<a href="#">ATN10-0067(-2HV/-3HV)</a>	DC-67	10.5	see datasheet	22	EAR99
<a href="#">ATN06-00110(-2W/-3W)</a>	DC-110	6.5	see datasheet	20	EAR99
<a href="#">ATN10-00110(-2W/-3W)</a>	DC-110	10.5	see datasheet	20	EAR99

**BALUNS, Passive**

Part Number	Band (GHz)	Amp Bal (dB)	Phase Bal (°)	Isolation (dB)	Turns Ratio	Total Insertion Loss as a Mode Converter (dB)	ECCN
<a href="#">BAL-0003</a>	0.0002-3	0.05	1	8	1:2	4	EAR99
<a href="#">BALH-0003</a>	0.0002-3	0.1	1	7	1:1	1.5	EAR99
<a href="#">BAL-0006</a>	0.0002-6	0.05	1	9	1:2	4.5	EAR99
<a href="#">BALH-0006</a>	0.0002-6	0.1	1	8	1:1	2.5	EAR99
<a href="#">BAL-0010</a>	0.0002-10	0.2	2	9	1:2	5	EAR99
<a href="#">BALH-0010</a>	0.0002-10	0.2	2	8	1:1	2.5	EAR99
<a href="#">BAL-0106</a>	1.2-6	0.1	2	6	1:2	0.6	EAR99
<a href="#">BAL-0212</a>	2.6-12	0.1	2	6	1:2	1	EAR99
<a href="#">BAL-0520</a>	5-20	0.2	3	6	1:2	1.5	EAR99
<a href="#">EBAL-0026</a>	0.01-26	1.0	1	3	1:2	3	EAR99
<a href="#">BAL-0026</a>	0.0003-26.5	0.5	3	24	1:2	2.5	EAR99
<a href="#">BAL-0036</a>	0.0003-36	0.5	3	24	1:2	3	EAR99
<a href="#">EBAL-0040</a>	0.01-40	0.1	2	5	1:2	3	EAR99
<a href="#">BAL-0050</a>	0.0003-50	0.7	4	25	1:2	7	EAR99
<a href="#">EBAL-0050</a>	0.01-50	0.2	3	5	1:2	4	EAR99
<a href="#">BAL-0067</a>	0.0003-67	0.7	4	25	1:2	8.5	EAR99
<a href="#">EBAL-0067</a>	0.01-67	0.2	2	5	1:2	4	EAR99

**\*New Release since 4/2026**

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**PULSE INVERTERS, Broadband, Fast Rise Time**

Part Number	Band (GHz)	Loss (dB)	Rise/Fall Time (ps)	ECCN
<a href="#">INV-0026</a>	0.0001-26.5	2	13	EAR99
<a href="#">INV-0040</a>	0.0001-40	2.5	13	EAR99
<a href="#">INV-0065</a>	0.0001-65	5	12	EAR99

**BIAS TEES**

Part Number	Band (GHz)	DC Voltage (V)	DC Current (A)	Insertion Loss (dB)	ECCN
<a href="#">BT-0018</a>	0.00004-18	30	0.5	0.6	EAR99
<a href="#">BTN1-0018</a>	0.0005-18	50	1	0.7	EAR99
<a href="#">BTN2-0018</a>	0.003-18	50	2	0.7	EAR99
<a href="#">BT-0025</a>	0.00004-25	30	0.5	0.8	EAR99
<a href="#">BT-0026</a>	0.01-26.5	30	0.5	0.8	EAR99
<a href="#">BT1-0026</a>	0.0002-26.5	50	1	1	EAR99
<a href="#">BT2-0026</a>	0.0002-26.5	50	2	1	EAR99
<a href="#">BTN1-0026</a>	0.0005-26.5	50	1	1	EAR99
<a href="#">BTN2-0026</a>	0.003-26.5	50	2	1	EAR99
<a href="#">BT-0040</a>	0.000004-40	30	0.5	1.5	EAR99
<a href="#">BTN-0040</a>	0.00004-40	30	0.5	1.5	EAR99
<a href="#">BT1-0040</a>	0.0002-40	50	1	1.5	EAR99
<a href="#">BT2-0040</a>	0.0002-40	50	2	1.5	EAR99
<a href="#">BTN1-0040</a>	0.0005-40	50	1	1.5	EAR99
<a href="#">BTN2-0040</a>	0.003-40	50	2	1.5	EAR99
<a href="#">BT-0050</a>	0.0002-50	30	0.5	1.8	EAR99
<a href="#">BTN-0050</a>	0.0002-50	30	0.5	1.8	EAR99
<a href="#">BT1-0050</a>	0.0002-50	50	1	1.5	EAR99
<a href="#">BT2-0050</a>	0.0002-50	50	2	1.5	EAR99
<a href="#">BTN1-0050</a>	0.0005-50	50	1	1.5	EAR99
<a href="#">BTN2-0050</a>	0.003-50	50	2	1.5	EAR99
<a href="#">BT-0065</a>	0.000004-65	30	0.5	1.8	EAR99
<a href="#">BTN-0065</a>	0.00004-65	30	0.5	2.0	EAR99

**DC BLOCKS, Broadband**

Part Number	Band (GHz)	Loss (dB)	DC Voltage (V)	Rise Time (ps)	Group Delay (ps)	ECCN
DCZ(M-F)29(M-F)29	0.000004-40	0.7	16	6	75	EAR99
DCZ(M-F)24(M-F)24	0.000004-50	0.7	16	6	75	EAR99

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**COUPLERS, High Directivity Bridge**

Part Number	Band (GHz)	Coupling (dB)	Directivity (dB)	VSWR	ECCN
<a href="#">CBR16-0003</a>	0.0002-3	16	40	1.1	EAR99
<a href="#">CBR16-0006</a>	0.0002-6	16	38	1.15	EAR99
<a href="#">CBR16-0012</a>	0.0002-12	16	32	1.25	EAR99
<a href="#">CBR17-0026</a>	0.0002-26	17	23	1.22	EAR99

**COUPLERS, Low Loss High Power**

Part Number	Band (GHz)	Coupling (dB)	Directivity (dB)	Loss (dB)	Average Power Handling (W)	ECCN
<a href="#">C17-OR506</a>	0.5-6	17	20	0.4	120	EAR99
<a href="#">C17-OR512</a>	0.5-12	17	20	0.65	80	EAR99
<a href="#">C17-OR518</a>	0.5-18	17	20	1	60	EAR99
<a href="#">CA-18</a>	DC-18	> 30	22	0.35	200	EAR99
<a href="#">CA-26</a>	DC-26.5	> 27	24	0.35	50	EAR99
<a href="#">CA-40</a>	DC-40	> 27	24	0.5	20	EAR99
<a href="#">CA-50</a>	DC-50	> 27	24	0.5	15	EAR99
<a href="#">C-0250</a>	2-50	12	15	0.7	10	EAR99
<a href="#">C-0265</a>	2-65	12	15	0.7	10	EAR99

**COUPLERS, Stripline Directional**

Part Number	Band (GHz)	Coupling (dB)	Directivity (dB)	Flatness (dB)	VSWR	ECCN
<a href="#">C09-OR412</a>	0.45-12	9	22	±0.7	1.15	EAR99
<a href="#">C09-OR418</a>	0.45-18	9	22	±0.7	1.15	EAR99
<a href="#">C09-OR426</a>	0.45-26.5	9	22	±0.7	1.15	EAR99
<a href="#">C09-OR430</a>	0.45-30	9	20	±0.7	1.15	EAR99
<a href="#">C20-OR612</a>	0.6-12	20	22	±0.6	1.2	EAR99
<a href="#">C10-0116</a>	1-16	10	20	±0.5	1.15	EAR99
<a href="#">C20-0116</a>	1-16	20	20	±0.6	1.15	EAR99
<a href="#">C20-OR518</a>	0.5-18	20	22	±0.75	1.2	EAR99
<a href="#">C20-OR520</a>	0.5-20	20	22	±0.75	1.2	EAR99
<a href="#">C13-0126</a>	1-26.5	13	20	±0.6	1.15	EAR99
<a href="#">C16-1R718</a>	1.7-18	16	20	±0.3	1.15	EAR99
<a href="#">C16-1R726</a>	1.7-26.5	16	20	±0.4	1.15	EAR99
<a href="#">C10-0226</a>	2-26.5	10	22	±0.6	1.15	EAR99
<a href="#">C20-0226</a>	2-26.5	20	22	±0.75	1.25	EAR99
<a href="#">C13-0140</a>	1-40	13	16	±0.1	1.2	EAR99
<a href="#">C20-0240</a>	2-40	20	17	±0.75	1.3	EAR99
<a href="#">C13-0150</a>	1-50	13	16	±0.75	1.2	EAR99
<a href="#">C10-0450</a>	4-50	10	15	±0.5	1.35	EAR99
<a href="#">C10-0667</a>	6-67	10	17	±0.8	1.2	EAR99
<a href="#">C16-0667</a>	6-67	16	17	±0.9	1.25	EAR99
<a href="#">C20-0667</a>	6-67	20	17	±0.8	1.25	EAR99
<a href="#">MC10-25110M2</a>	25-110	10	19.5	+0.2	1.43	EAR99

**\*New Release since 4/2026**

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### COUPLERS, Elite Stripline Directional

Part Number	Band (GHz)	Coupling (dB)	IL Corrected Directivity (dB)	Flatness (dB)	VSWR	ECCN
<a href="#">CE10-0R620T</a>	0.6-20	10	27	±0.2	1.07	EAR99
<a href="#">CE10-0R640(T)</a>	0.6-40	10	24/22	±0.2	1.07/1.08	EAR99
<a href="#">CE10-1R520(T)</a>	1.5-20	10	32	±0.25	1.07	EAR99
<a href="#">CE10-1R540(T)</a>	1.5-40	10	26/22	±0.25	1.07	EAR99
<a href="#">CE13-0220T</a>	2-20	13	30	±0.15	1.07	EAR99
<a href="#">CE13-0240(T)</a>	2-40	13	29/27	±0.15	1.07/1.08	EAR99
<a href="#">CE16-0220T</a>	2-20	16	32	±0.1	1.07	EAR99
<a href="#">CE16-0240(T)</a>	2-40	16	30/29	±0.1	1.07	EAR99
<a href="#">CE20-0R620T</a>	0.6-20	20	26	±0.15	1.07	EAR99
<a href="#">CE20-1R640(T)</a>	0.6-40	20	27/24	±0.15	1.07	EAR99
<a href="#">CE20-0220T</a>	2-20	20	30	±0.1	1.07	EAR99
<a href="#">CE20-0R240(T)</a>	2-40	20	33/28	±0.1	1.05/1.07	EAR99

### COUPLERS, Dual Directional

Part Number	Band (GHz)	Coupling (dB)	Directivity (dB)	Flatness (dB)	VSWR	ECCN
<a href="#">CD10-0106</a>	0.7-6.3	10	25	±0.6	1.14	EAR99
<a href="#">CD10-0114</a>	0.7-14.7	10	23	±0.6	1.17	EAR99

### COUPLERS, Pick-Off Tees

Part Number	Band (GHz)	Pick-Off Loss (dB)	Insertion Loss (dB)	ECCN
<a href="#">PT-0020</a>	DC-20	16	2	EAR99
<a href="#">PT-0030(A)</a>	DC-30	16	2	EAR99

**\*New Release since 4/2026**

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## COUPLERS, Hybrid

Part Number	Band (GHz)	Amp Bal (dB)	Phase Bal (°)	Excess Loss (dB)	Isolation (dB)	ECCN
<a href="#">QH-0R518</a>	0.5-18	±0.5	±3	1.5	20	EAR99
<a href="#">QH-0R71R3</a>	0.65-1.3	±0.3	±3	0.5	16	EAR99
<a href="#">QH-0R714</a>	0.7-14.5	±0.2	±2	1.2	22	EAR99
<a href="#">MQS-0209UB</a>	2-9	±0.5	±3	2	16	EAR99
<a href="#">MQS-0218UA</a>	2-18	±1	±3	1.4	17	EAR99
<a href="#">QH-0226</a>	2-26.5	±0.25	±2	2	22	EAR99
<a href="#">MQH-2R58R5UB</a>	2.5-8.5	±0.4	±3	2	23	EAR99
<a href="#">MQH-3R510UB</a>	3.5-10	±0.4	±1.5	1.8	25	EAR99
<a href="#">MQS-0418UA</a>	4-18	±0.4	±0.5	1.5	20	EAR99
<a href="#">QH-0440</a>	4-40	±0.4	±5	2	18	EAR99
<a href="#">MQH-0517UB</a>	5-17	±0.5	±6	1.6	23	EAR99
<a href="#">QH-0550</a>	5-50	±0.6	±5	1	22	EAR99
<a href="#">QH-0867</a>	8-67	±0.6	±6	1.2	18	EAR99
<a href="#">MQH-40110M2</a>	40-110	±1	±5	2.5	18	EAR99

## DIPLEXERS

Part Number	LPF F Min (GHz)	LPF F Max (GHz)	HPF F Min (GHz)	HPF F Max (GHz)	ECCN
<a href="#">DPXN-M50</a>	DC	0.035	0.07	10	EAR99
<a href="#">DPXN-0R5</a>	DC	0.36	0.7	8	EAR99
<a href="#">DPXN-1</a>	DC	0.85	1.4	5	EAR99
<a href="#">DPXN-2</a>	DC	1.5	2.7	7	EAR99
<a href="#">DPXN-3</a>	DC	2.3	4.2	8	EAR99
<a href="#">DPXN-4</a>	DC	2.8	5.5	12	EAR99
<a href="#">MDPX-0305</a>	DC	3	5	26.5	EAR99
<a href="#">MDPX-0407</a>	DC	4	7	26.5	EAR99
<a href="#">DPX-0508</a>	DC	5	8	18	EAR99
<a href="#">MDPX-0609</a>	DC	6	9	26.5	EAR99
◆ <a href="#">MDPX-0609BH*</a>	DC	6	9	26.5	EAR99
<a href="#">MDPX-0710</a>	DC	7	10	26.5	EAR99
<a href="#">DPX-9516</a>	DC	9.5	16	32	EAR99
<a href="#">DPX-1114</a>	DC	11	14	30	EAR99
<a href="#">DPX-1721</a>	DC	17	21.5	40	EAR99

## EQUALIZERS, Positive-Slope

Part Number	Band (GHz)	Loss at DC (dB)	Typ Return Loss (dB)	ECCN
EQX-26	DC-26	<a href="#">3, 6</a>	21, 15	EAR99
MEQX-26ABH	DC-26.5	<a href="#">3*</a> , <a href="#">6*</a> , <a href="#">10*</a>	26, 26, 27	EAR99
MEQX-26AS	DC-26.5	<a href="#">3, 6, 10</a>	18, 20, 20	EAR99
EQX-40	DC-40	<a href="#">3, 6</a>	18	EAR99
MEQX-40ABH	DC-40	<a href="#">6, 10</a>	24, 25	EAR99
MEQ10-50AU	DC-50	<a href="#">10</a>	15	EAR99
MEQX-60ABH	DC-60	<a href="#">4, 6, 10</a>	25, 24, 22	EAR99

\*New Release since 4/2026

All electrical specifications given are typical values.

**FIXED FILTERS, Lowpass**

Part Number	F1dBc High (GHz)	F3dBc High (GHz)	F30dBc High (GHz)	Passband Return Loss (dB)	ECCN
<a href="#">FLP-1460</a>	4.6	5.0	6.7	20	EAR99
<a href="#">FLP-0750</a>	6.1	7.6	9.6	30	EAR99
<a href="#">MFLP-00002BH</a>	6.4	9.3	11.2	25	EAR99
<a href="#">FLP-1800</a>	8.7	18.0	19.8	20	EAR99
<a href="#">FLP-0960</a>	9.0	9.7	12.7	25	EAR99
<a href="#">FLP-1250</a>	11.1	12.6	15.4	20	EAR99
<a href="#">FLP-2650</a>	11.3	26.6	30.8	22	EAR99
<a href="#">FLP-3200</a>	11.4	32.2	36.1	15	EAR99
<a href="#">FLP-2000</a>	12.6	20.0	22.1	20	EAR99
<a href="#">FLP-2150</a>	13.1	21.5	26.1	18	EAR99
<a href="#">FLP-1460</a>	13.2	14.6	19.6	20	EAR99
<a href="#">FLP-1740</a>	13.7	17.4	19.8	20	EAR99
<a href="#">FLP-2360</a>	14.2	23.6	27.5	18	EAR99
<a href="#">MFLP-00005BH</a>	14.3	18.1	20.9	21	EAR99
<a href="#">FLP-1940</a>	14.9	19.5	26.0	25	EAR99
<a href="#">FLP-3660</a>	15.2	36.7	41.4	26	EAR99
<a href="#">FLP-4300</a>	16.3	43.1	47.6	26	EAR99
<a href="#">FLP-5000</a>	18.0	50.0	54.8	15	EAR99

**FIXED FILTERS, Highpass**

Part Number	F30dBc Low (GHz)	F3dBc Low (GHz)	F1dBc Low (GHz)	Passband Return Loss (dB)	ECCN
◆ <a href="#">MFHP-00001BH-S*</a>	1.4	1.9	2.4	19	EAR99
<a href="#">MFHP-00002BH</a>	8.2	9.8	10.9	15	EAR99
<a href="#">FH-1700</a>	14.3	16.5	16.8	13	EAR99
<a href="#">FH-1800</a>	15.1	17.5	17.8	18	EAR99
<a href="#">FH-2600</a>	21.4	25.1	25.8	14	EAR99
<a href="#">FH-4000</a>	36.7	39.6	39.9	12	EAR99
<a href="#">FH-5500</a>	51.3	54.3	54.6	12	EAR99

\*New Release since 4/2026

All electrical specifications given are typical values.

## FIXED FILTERS, Bandpass

Part Number	F30dBc Low (GHz)	F3dBc Low (GHz)	F1dBc Low (GHz)	Fc (GHz)	F1dBc High (GHz)	F3dBc High (GHz)	F30dBc High (GHz)	IL @ Fc (dB)	ECCN
<a href="#">MFBP-00040BH</a>	0.9	1.3	1.6	3.2	6.7	7.5	8.5	1.3	EAR99
<a href="#">MFBP-00084BH</a>	5.4	5.9	6.1	7.5	9.3	9.9	10.5	2.4	EAR99
<a href="#">FB-0785</a>	6.6	7.1	7.2	7.9	8.6	8.6	9.2	1.9	EAR99
<a href="#">FB-0860</a>	6.6	7.8	8.0	8.6	9.2	9.4	10.4	1.9	EAR99
<a href="#">FB-0905</a>	9.0	8.3	8.5	9.0	9.6	9.8	9.0	2.2	EAR99
<a href="#">FB-0955</a>	9.5	8.8	8.9	9.6	10.1	10.3	9.5	2.1	EAR99
<a href="#">MFBA-00004BH</a>	7.3	8.0	8.5	10.2	12.1	12.4	13.6	2.3	EAR99
<a href="#">FB-1050</a>	10.4	9.4	9.6	10.4	11.2	11.5	10.4	2.0	EAR99
<a href="#">FB-1145</a>	11.4	10.4	10.5	11.5	12.4	12.6	11.4	1.8	EAR99
<a href="#">FB-1215</a>	12.1	11.0	11.8	12.2	12.9	13.2	12.1	2.1	EAR99
<a href="#">FB-1310</a>	13.0	11.8	12.1	13.0	14.0	14.3	13.0	2.1	EAR99
<a href="#">FB-1385</a>	13.7	11.2	11.4	13.7	16.4	16.7	13.7	1.4	EAR99
<a href="#">FB-1390</a>	14.0	13.3	13.5	14.0	14.4	14.6	14.0	2.4	EAR99
<a href="#">FB-1450</a>	14.1	10.8	11.0	14.1	18.0	18.4	14.1	1.3	EAR99
<a href="#">FB-1445</a>	14.4	12.8	13.2	14.4	15.7	16.1	14.4	1.7	EAR99
<a href="#">FB-1500</a>	14.6	11.6	11.8	14.6	18.1	18.4	14.6	1.2	EAR99
<a href="#">MFBP-00086BH</a>	11.5	12.2	12.6	15.0	17.9	18.4	19.2	2.0	EAR99
<a href="#">FB-1575</a>	11.7	14.1	14.5	15.7	17.0	17.4	19.3	2.0	EAR99
<a href="#">MFBA-00001BH</a>	12.8	13.8	14.2	15.9	17.8	18.4	18.9	3.1	EAR99
<a href="#">FB-1655</a>	16.5	15.5	15.7	16.5	17.3	17.5	16.5	2.5	EAR99
<a href="#">FB-1690</a>	16.9	15.5	15.8	16.9	18.1	18.4	16.9	2.1	EAR99
<a href="#">FB-1725</a>	13.9	15.4	15.6	17.1	18.8	19.1	20.6	1.6	EAR99
<a href="#">FB-1800</a>	17.9	15.3	15.6	17.9	20.5	20.9	17.9	1.8	EAR99
<a href="#">FB-1840</a>	18.4	16.2	16.7	18.4	20.3	20.9	18.4	2.3	EAR99
<a href="#">MFBP-00053BH</a>	14.0	15.4	15.7	18.8	22.6	23.2	25.5	1.7	EAR99
<a href="#">FB-2000</a>	19.7	17.8	18.2	19.7	21.3	21.6	19.7	1.9	EAR99
<a href="#">FB-2020</a>	19.8	19.8	16.4	20.2	23.7	19.8	19.8	1.8	EAR99
<a href="#">FB-2060</a>	20.5	18.4	18.8	20.5	22.4	22.7	20.5	2.1	EAR99
<a href="#">FB-2250</a>	16.9	17.7	18.1	22.1	27.0	27.8	28.6	1.5	EAR99
<a href="#">MFBP-00089BH</a>	16.3	17.5	17.9	22.2	27.4	28.5	30.0	1.9	EAR99
<a href="#">FB-2430</a>	23.8	23.8	20.6	23.7	27.4	28.1	23.8	2.6	EAR99
<a href="#">FB-2400</a>	24.0	21.9	22.4	24.0	25.6	26.0	24.0	2.5	EAR99
<a href="#">FB-2500</a>	24.1	17.7	18.2	24.1	32.0	32.7	24.1	1.3	EAR99
<a href="#">FB-2480</a>	24.6	24.6	21.2	24.6	28.5	24.6	24.6	2.7	EAR99
<a href="#">MFBP-00045BH</a>	22.1	23.1	23.5	25.8	28.3	29.1	30.4	2.8	EAR99
<a href="#">FB-2770</a>	27.4	22.7	23.4	27.4	32.0	32.8	27.4	2.1	EAR99
<a href="#">MFBP-00046BH</a>	25.7	27.2	27.8	31.3	35.2	36.4	38.4	2.2	EAR99
<a href="#">FB-3300</a>	31.9	25.7	26.3	31.9	38.7	40.2	31.9	3.3	EAR99
<a href="#">FB-3270</a>	25.3	27.5	28.6	32.4	36.8	37.4	39.9	2.4	EAR99
<a href="#">MFB-3475U</a>	23.4	27.9	28.6	33.4	39.0	40.4	47.5	2.0	EAR99
<a href="#">FB-3700</a>	28.4	31.3	32.6	37.2	42.5	43.1	46.4	2.6	EAR99
<a href="#">MFBP-00057BH</a>	27.0	29.8	30.2	37.1	45.6	47.3	52.7	2.0	EAR99
<a href="#">MFBP-00051BH</a>	35.0	36.2	36.5	38.2	40.1	40.7	41.6	2.9	EAR99

\*New Release since 4/2026

All electrical specifications given are typical values.

**FIXED FILTERS, Bandpass (cont.)**

Part Number	F30dBc Low (GHz)	F3dBc Low (GHz)	F1dBc Low (GHz)	Fc (GHz)	F1dBc High (GHz)	F3dBc High (GHz)	F30dBc High (GHz)	IL @ Fc (dB)	ECCN
<a href="#">FB-4000</a>	30.0	33.4	35.2	40.2	46.0	46.7	50.0	2.4	EAR99
<a href="#">MFBC-00017M</a>	31.8	34.1	35.1	41.3	48.7	49.9	53.8	2.0	EAR99
<a href="#">MFBC-00008M</a>	43.2	36.3	36.9	43.2	50.5	43.2	43.2	1.9	EAR99
<a href="#">MFBP-00103BH</a>	39.3	43.3	44.0	47.4	51.1	52.2	53.5	3.6	EAR99
<a href="#">MFBC-00018M</a>	52.4	43.6	44.9	52.4	61.2	63.3	52.4	2.0	EAR99
<a href="#">MFBC-00009M</a>	40.4	46.1	46.9	54.1	62.4	64.7	54.1	2.3	EAR99
<a href="#">MFBC-00019M</a>	67.9	67.9	59.1	67.9	78.1	67.9	67.9	2.7	EAR99
<a href="#">MFBC-00020M</a>	63.1	76.5	78.5	90.0	103.2	110.0	90.0	3.9	EAR99

**LIMITERS**

Part Number	Band (GHz)	Loss (dB)	Flat Leakage (dBm)	Peak Power CW (W)	Peak Power Pulsed (W)	P1dB (dBm)	ECCN
<a href="#">HLM-100001BH<sup>1</sup></a>	DC-10	1	+10 @ 5 GHz	4	-	+10	EAR99
<a href="#">HLM-20BH<sup>1</sup></a>	DC-20	1	+15 @ 10 GHz	4	-	+15	EAR99
<a href="#">HLM-8011U<sup>1</sup></a>	DC-30	0.8	+7 @ 30 GHz	1	4.5	+10	EAR99
<a href="#">HLM-40U<sup>1</sup></a>	DC-40	1	+16 @ 20 GHz	4	20	+15	EAR99
<a href="#">HLM-40ABH<sup>1</sup></a>	DC-40	0.7	+9 @ 30 GHz	2	-	+10	EAR99
<a href="#">HLM-67ABH<sup>1</sup></a>	DC-67	1.1	+8 @ 40 GHz	1	-	+8	EAR99

<sup>1</sup>Power ratings are dependent on frequency, temperature, and pulse conditions

**\*New Release since 4/2026**

All electrical specifications given are typical values.

## IQ MIXERS

Part Number	RF/LO (GHz)	IF (GHz)	Conversion Loss (dB)	Image Rej (dBc)	L-R Isolation (dB)	ECCN
<a href="#">MMIQ-0205HXA</a>	1.75-5	DC-2	8	33	61	EAR99
<a href="#">MMIQ-0218(L/H)XPC</a>	2-18	DC-3	8/7.5	27/35	58/53	EAR99
<a href="#">MMIQ-0416(L/H)S</a>	4-16	DC-6	8/9	28/29	58/59	EAR99
<a href="#">MMIQ-0520(L/H)S</a>	5-20	DC-6	9	35	46	EAR99
<a href="#">MMIQ-0626(L/H)S</a>	6-26	DC-6	9	35	41	EAR99
<a href="#">MMIQ-1037H</a>	10-37	DC-12	9	25	47	EAR99
<a href="#">MMIQ-1040(L/S)S</a>	10-40	DC-12	9	25	47/44	EAR99
<a href="#">MMIQ-1865(L/H/S)UB</a>	18-65	DC-23	8/8/9	35	49/48/50	EAR99
<a href="#">MMIQ-4067LU</a>	40-67	DC-20	9	35	33	EAR99
<a href="#">MMIQ-40100(L/H)M</a>	40-100	DC-20	10	30	see datasheet	EAR99
<a href="#">MMIQ-30120HM<sup>1</sup></a>	30-120	DC-30	8.5	27	40	EAR99

<sup>1</sup>Differential IF IQ Mixer

## MIXERS, Double Balanced

Part Number	RF/LO (GHz)	IF (GHz)	Conversion Loss (dB)	IIP3 (dBm)	LO Drive (dBm)	ECCN
<a href="#">MM1-0115HS</a>	1-15	DC-2.5	7.5	+24	+17	EAR99
<a href="#">MM1-0212(L/H/S)S</a>	2-12	DC-3	8/8.5/8.5	+14/+23/+26	+9/+15/+20	EAR99
<a href="#">MM1-0222(L/H)S</a>	2-22	DC-3.5	7	+13/+23	+9/+15	EAR99
<a href="#">MM1-0312(H/S)S</a>	3-12	DC-4.5	7.5	+23/+26	+15/+20	EAR99
◆ <a href="#">MM1-0320LBH*</a>	3-20	DC-4	7	+8.5	+7	EAR99
<a href="#">MM1-0320(L/H)S</a>	3-20	DC-4	8	+10/+20	+7/+15	EAR99
<a href="#">MM1-0330(H/I)S</a>	3-30	DC-5	7/9	+21/+32	+19/+23	EAR99
<a href="#">MM1-0424SS</a>	4.5-24	DC-4	8	+25	+20	EAR99
<a href="#">MM1-0626(H/S)S</a>	6-26.5	DC-9	7.5/8	+21/+25	+15/+20	EAR99
<a href="#">MM1-0832(L/H)S</a>	8-32	DC-12	8/7.6	+14/+23	+9/+15	EAR99
<a href="#">MM1-1044(L/H)S</a>	10-44	DC-14	7.6	+13/+22	+9/+15	EAR99
<a href="#">MM1-1140HS</a>	11-40	DC-12	8	+21	+15	EAR99
<a href="#">MM1-1240SS</a>	12-40	DC-12	8	+25	+20	EAR99
<a href="#">MM1-1467(L/H)S</a>	14-67	DC-21	7	+12/+17.5	+11/+15	EAR99
<a href="#">MM1-1850(H/S)S</a>	18-50	DC-20	8/8.5	+21/+25	+15/+20	EAR99
<a href="#">MM1-1857(L/H)S</a>	18-57	DC-21	8/7.5	+13/+20	+9/+13	EAR99
<a href="#">MM1-2567LS</a>	25-67	DC-30	9	+9	+13	EAR99
◆ <a href="#">MM1-1886(L*/H*)M</a>	18-86	DC-20	8.5	+13.5/+18.5	+14/+16	EAR99
<a href="#">MM1-30100LM</a>	30-100	DC-20	8.5	see datasheet	+14	EAR99
<a href="#">MMH-35120HM<sup>1</sup></a>	35-120, 12-40	DC-14	18	+7	+15	3A001.b.7.c.1

<sup>1</sup>Harmonic Mixer

\*New Release since 4/2026

All electrical specifications given are typical values.

## MIXERS, Triple Balanced

Part Number	RF/LO (GHz)	IF (GHz)	Conversion Loss (dB)	IIP3 (dBm)	LO Drive (dBm)	ECCN
<a href="#">MT3A-0113HPA<sup>1</sup></a>	1-13	0.5-8.5	9.5	+28	+12	EAR99
<a href="#">MT3L-0113HS</a>	1.5-13	0.25-5	8.5	+31	+20	EAR99
<a href="#">MT3H-0113(L/H)S</a>	1.5-13	0.8-8.5	8/8.5	+20/+28	+15/+20	EAR99
<a href="#">T3-18GLS</a>	0.01-18	0.001-10	7.5	+25	+20	EAR99
<a href="#">T3H-18GLS</a>	0.01-18	0.01-18	9.5	+30	+20	EAR99
<a href="#">T3-20GLS</a>	0.01-20	0.001-10	7.5	+30	+20	EAR99
<a href="#">T3H-20G(L/I)S</a>	0.01-20	0.01-20	9.5	+30	+20	EAR99
<a href="#">MM2-0530LBH</a>	5-30	2-20	7.5	+15	+15	EAR99
<a href="#">MM2-0530(L/H)S</a>	5-30	2-20	10/9	+15/+21	+15/+20	EAR99
<a href="#">T3-0838GLN</a>	8-38	0.01-10	8	+30	+20	EAR99
<a href="#">T3-1040GLN</a>	10-40	1-18	8	+25	+20	EAR99
<a href="#">MM2-0845HS</a>	8-45	1-15	8	+22	+18	EAR99

<sup>1</sup>Integrated low phase noise driver amplifier

## PASSIVE MULTIPLIERS and NON LINEAR TRANSMISSION LINES

Part Number	Type	Input (GHz)	Output (GHz)	Conversion Loss (dB)	1F Supp (dBc)	3F Supp (dBc)	ECCN
<a href="#">MMD-0415HS</a>	Doubler	2-7.5	4-15	11	27	36	EAR99
<a href="#">MMD-0426LBH</a>	Doubler	2-13	4-26	12	37	50	EAR99
<a href="#">MMD-1030(L/H)S</a>	Doubler	5-15	10-30	12.5/11.5	38/41	46/51	EAR99
<a href="#">MMD-1030LBH</a>	Doubler	5-15	10-30	12	38	46	EAR99
<a href="#">MMD-1640LBH</a>	Doubler	8-20	16-40	14	42	52	EAR99
<a href="#">MMD-1648LS</a>	Doubler	8-24	16-48	15	44	69	EAR99
<a href="#">MMD-1250HU</a>	Doubler	6-25	12-50	10	32	40	EAR99
<a href="#">MMD-2060(L/H)U</a>	Doubler	10-30	20-60	11/10.5	37/38	41/40	EAR99
<a href="#">MMD-2060LBH</a>	Doubler	10-30	20-60	11	36	42	EAR99
<a href="#">MMD-3567LU</a>	Doubler	17.5-33.5	35-67	11	38	44	EAR99
<a href="#">MMD-3567LBH</a>	Doubler	17.5-33.5	35-67	12	37	38	EAR99
<a href="#">MMD-3580LU-KW</a>	Doubler	17.5-40	35-80	11	38	44	EAR99
◆ <a href="#">MMD-18100(L*/H*)M</a>	Doubler	9-50	18-100	12.5/12	24/25	33/35	EAR99
<a href="#">MMD-20100HM</a>	Doubler	10-50	20-100	10	24.5	33	3A001.b.7.b.1
<a href="#">MMD-40120HM</a>	Doubler	20-60	40-120	10	30	40	3A001.b.7.b.1
<a href="#">MMQ-40125HM</a>	Quadrupler	10-31.25	40-125	20	19	12	3A001.b.7.b.1
<a href="#">NLTL-6273S</a>	Comb Generator	0.7-5	0.7-40	-	-	-	EAR99
<a href="#">NLTL-6275U/USW</a>	Comb Generator	3-15	3-85	-	-	-	EAR99

## ACTIVE MULTIPLIERS

Part Number	Input (GHz)	Output (GHz)	Input (dBm)	Output (dBm)	ECCN
<a href="#">ADA-0416</a>	2-8	4-16	0 to +6	+16	EAR99
<a href="#">ADA-1030</a>	5-15	10-30	0 to +6	+16	EAR99
<a href="#">ADA-2052</a>	10-26	20-52	-6 to +2	+16	EAR99
<a href="#">AQA-2156</a>	5.25-14	21-56	-2 to +6	+20	EAR99

\*New Release since 4/2026

All electrical specifications given are typical values.

**POWER DIVIDERS, High Isolation**

Part Number	Band (GHz)	Loss (dB)	Amplitude Balance (dB)	Isolation (dB)	ECCN
<a href="#">PBR-0003</a>	.0003-3	1.25	±0.4	45	EAR99
<a href="#">PBR-0006</a>	.0003-6	1.5	±0.5	40	EAR99
<a href="#">PBR-0012</a>	.0003-12	1.5	±0.6	35	EAR99

**POWER DIVIDERS, Wilkinson 1:2**

Part Number	Band (GHz)	Loss (dB)	Amplitude Balance (dB)	Phase Balance (°)	Isolation (dB)	ECCN
<a href="#">PD-0R413</a>	0.4-13.2	1	±0.05	±1	24	EAR99
<a href="#">PD-0R426</a>	0.4-26	2	±0.05	±2	24	EAR99
<a href="#">PD-0R510</a>	0.5-10	0.9	±0.1	±1	22	EAR99
<a href="#">PD-0R618</a>	0.6-18	1	±0.05	±1	22	EAR99
<a href="#">PD-0R636</a>	0.6-36	2	±0.1	±3	22	EAR99
<a href="#">PD-0109</a>	1-9	0.75	±0.1	±1	22	EAR99
<a href="#">PD-0126</a>	1-26	1	±0.1	±3	20	EAR99
<a href="#">PD-0140</a>	1-40	1.5	±0.2	±2	20	EAR99
<a href="#">PD-0150</a>	1-50	2	±0.25	±3	20	EAR99
<a href="#">PD-0165</a>	1-65	5	±0.25	±3	20	EAR99
<a href="#">PD-0218</a>	2-18	1	±0.2	±2	22	EAR99
<a href="#">PD-0220</a>	2-20	1	±0.2	±2	22	EAR99
<a href="#">MPD-0226BH</a>	2-26.5	1	0	2.6	26	EAR99
<a href="#">PD-0426</a>	4-26.5	0.8	±0.2	±2	18	EAR99
<a href="#">PD-0440</a>	4-40	1	±0.2	±3	18	EAR99
<a href="#">PD-0450</a>	4-50	1.2	±0.5	±5	18	EAR99
<a href="#">PD-0465</a>	4-65	2	±0.5	±5	18	EAR99
<a href="#">MPDW-10110M2</a>	10-110	3	±0.25	±3	22	EAR99

**POWER DIVIDERS, Wilkinson 1:3**

Part Number	Band (GHz)	Loss (dB)	Amplitude Balance (dB)	Phase Balance (°)	Isolation (dB)	ECCN
<a href="#">PD3-0R412</a>	0.4-12	1.5	±0.1	±2	23	EAR99
<a href="#">PD3-0R616</a>	0.6-16	1.5	±0.1	±2	24	EAR99
<a href="#">PD3-0126</a>	1.5-26.5	1.5	±0.3	±4	24	EAR99

**\*New Release since 4/2026**

All electrical specifications given are typical values.

**POWER DIVIDERS, Wilkinson 1:4**

Part Number	Band (GHz)	Loss (dB)	Amplitude Balance (dB)	Phase Balance (°)	Isolation (dB)	ECCN
<a href="#">PD4-0R518</a>	0.5-18	1.5	±0.25	±3	20	EAR99
<a href="#">PD4-0R526</a>	0.5-26.5	2.5	±0.25	±3	19	EAR99
<a href="#">PD4-0R532</a>	0.5-32	2.5	±0.3	±4	19	EAR99
<a href="#">PD4-0120</a>	1-20	1.5	±0.25	±3	20	EAR99
<a href="#">PD4-0126</a>	1-26.5	1.5	±0.3	±3	20	EAR99
<a href="#">PD4-0140</a>	1-40	2.5	±0.4	±4	19	EAR99
<a href="#">PD4-0150</a>	1-50	4	±0.5	±5	20	EAR99
<a href="#">PD4-0218</a>	2-18	1.2	±0.2	±2	20	EAR99

**POWER DIVIDERS, Resistive 1:2**

Part Number	Band (GHz)	Loss (dB)	Amplitude Balance (dB)	Phase Balance (°)	ECCN
<a href="#">PD-0010</a>	DC-10	0.25	±0.1	±1	EAR99
<a href="#">PD-0020</a>	DC-20	0.5	±0.2	±2	EAR99
<a href="#">PD-0030</a>	DC-30	0.5	±0.25	±2	EAR99
<a href="#">PD-0040</a>	DC-40	0.75	±0.25	±2	EAR99
<a href="#">MPDR-00110M2</a>	DC-110	1.5	±0.25	±7.5	EAR99

**TERMINATIONS**

Part Number	Band (GHz)	Impedance (Ω)	Return Loss (dB)	ECCN
T(M/E)50-27	DC-27	50	32	EAR99
T(M/E)50-40	DC-40	50	35	EAR99
T(M/E)50-50	DC-50	50	31	EAR99
T(M/E)50-67	DC-67	50	36	EAR99
T(M/E)50-110M	DC-110	50	15	EAR99

**THUMBWHEEL**

Part Number	Description	ECCN
<a href="#">TW-1</a>	quick, secure, wrenchless connection for SMA, 2.92mm and 2.4mm	EAR99

**\*New Release since 4/2026**

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# WAVEGUIDE

## COUPLERS

Part Number	Band (GHz)	Coupling	Directivity TYP. (dB)	Insertion Loss (dB)	Return Loss (dB)	Waveguide Band	Flange	ECCN
<a href="#">C10-2800WG</a>	26.5-40	10	40	0.5	30	WR-28	UG-599/U	EAR99
<a href="#">C10-2200WG</a>	33-50	10	40	0.6	30	WR-22	UG-383/U	EAR99
<a href="#">C10-1900WG</a>	40-60	10	40	0.7	30	WR-19	UG-383/U	EAR99
<a href="#">C10-1500WG</a>	50-75	10	40	1.2	30	WR-15	UG-385/U	EAR99
<a href="#">C20-1500WG</a>	50-75	19	41	0.9	39	WR-15	UG-385/U	EAR99
<a href="#">C10-1200WG</a>	60-90	10	40	1.1	30	WR-12	UG-387/U	EAR99
<a href="#">C20-1200WG</a>	60-90	19	38	0.8	39	WR-12	UG-387/U	EAR99
<a href="#">C10-1000WG</a>	75-110	10	40	1.25	30	WR-10	UG-387/U	EAR99
<a href="#">C20-1000WG</a>	75-110	20	36	1.15	35	WR-10	UG-387/U	EAR99

## DETECTORS

Part Number	Band (GHz)	Sensitivity (V/mW)	Flatness (dB)	Operating range (dB)	Flange	ECCN
<a href="#">DET-28PP00WG</a>	26.5-40	1800	+/- 1.5	15 to -40	UG-599/U	EAR99
<a href="#">DET-22PP00WG</a>	33-50	1500	+/- 1.5	15 to -40	UG-383/U	EAR99
<a href="#">DET-19PP00WG</a>	40-60	1500	+/- 2.0	15 to -40	UG-383/U	EAR99
<a href="#">DET-15PP00WG</a>	50-75	1200	+/- 1.5	15 to -40	UG-385/U	EAR99
<a href="#">DET-12PP00WG</a>	60-90	1000	+/- 1.5	15 to -40	UG-387/U	EAR99
<a href="#">DET-10PP00WG</a>	75-110	800	+/- 1.5	15 to -40	UG-387/U	EAR99
<a href="#">DET-08PP00WG</a>	90-140	700	+/- 1.7	15 to -40	UG-387/U	EAR99

## ISOLATORS

Part Number	Band (GHz)	Isolation (dB)	Insertion Loss (dB)	Return Loss	Waveguide Band	Flange	ECCN
<a href="#">ISO27-28F00WG</a>	26.5-40	27	1	17.7	WR-28	UG-599/U	EAR99
<a href="#">ISO27-22F00WG</a>	33-50	27	1.3	17.7	WR-22	UG-383/U	EAR99
<a href="#">ISO27-19F00WG</a>	40-60	27	1.5	17.7	WR-19	UG-383/U	EAR99
<a href="#">ISO27-15F00WG</a>	50-75	27	1.6	15.5	WR-15	UG-385/U	EAR99
<a href="#">ISO27-12F00WG</a>	60-90	27	1.7	15.5	WR-12	UG-387/U	EAR99
<a href="#">ISO27-10F00WG</a>	75-110	27	2	15.5	WR-10	UG-387/U	EAR99

## LEVEL SET ATTENUATORS

Part Number	Band (GHz)	Attenuation Range (dB)	Return Loss (dB)	Flange	ECCN
<a href="#">ATN35-15LS00WG</a>	50-75	0-35	15	UG-385/U	EAR99
<a href="#">ATN35-12LS00WG</a>	60-90	0-35	15	UG-387/U	EAR99
<a href="#">ATN35-10LS00WG</a>	75-110	0-35	15	UG-387/U	EAR99

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## FIXED ATTENUATORS

Part Number	Band (GHz)	Attenuation (dB)	Waveguide Band	Flange	ECCN
<a href="#">ATN00-15FH00WG<sup>1</sup></a>	50-75	0	WR-15	UG-385/U	EAR99
<a href="#">ATN00-15FL00WG<sup>1</sup></a>	50-75	0	WR-15	UG-385/U	EAR99
<a href="#">ATN03-15FH00WG<sup>1</sup></a>	50-75	3	WR-15	UG-385/U	EAR99
<a href="#">ATN03-15FL00WG<sup>1</sup></a>	50-75	3	WR-15	UG-385/U	EAR99
<a href="#">ATN06-15FH00WG<sup>1</sup></a>	50-75	6	WR-15	UG-385/U	EAR99
<a href="#">ATN06-15FL00WG<sup>1</sup></a>	50-75	6	WR-15	UG-385/U	EAR99
<a href="#">ATN10-15FH00WG<sup>1</sup></a>	50-75	10	WR-15	UG-385/U	EAR99
<a href="#">ATN10-15FL00WG<sup>1</sup></a>	50-75	10	WR-15	UG-385/U	EAR99
<a href="#">ATN15-15FH00WG<sup>1</sup></a>	50-75	15	WR-15	UG-385/U	EAR99
<a href="#">ATN15-15FL00WG<sup>1</sup></a>	50-75	15	WR-15	UG-385/U	EAR99
<a href="#">ATN20-15FH00WG<sup>1</sup></a>	50-75	20	WR-15	UG-385/U	EAR99
<a href="#">ATN20-15FL00WG<sup>1</sup></a>	50-75	20	WR-15	UG-385/U	EAR99
<a href="#">ATN25-15FH00WG<sup>1</sup></a>	50-75	25	WR-15	UG-385/U	EAR99
<a href="#">ATN25-15FL00WG<sup>1</sup></a>	50-75	25	WR-15	UG-385/U	EAR99
<a href="#">ATN30-15FH00WG<sup>1</sup></a>	50-75	30	WR-15	UG-385/U	EAR99
<a href="#">ATN30-15FL00WG<sup>1</sup></a>	50-75	30	WR-15	UG-385/U	EAR99
<a href="#">ATN00-12FH00WG<sup>1</sup></a>	60-90	0	WR-12	UG-387/U	EAR99
<a href="#">ATN00-12FL00WG<sup>1</sup></a>	60-90	0	WR-12	UG-387/U	EAR99
<a href="#">ATN03-12FH00WG<sup>1</sup></a>	60-90	3	WR-12	UG-387/U	EAR99
<a href="#">ATN03-12FL00WG<sup>1</sup></a>	60-90	3	WR-12	UG-387/U	EAR99
<a href="#">ATN06-12FH00WG<sup>1</sup></a>	60-90	6	WR-12	UG-387/U	EAR99
<a href="#">ATN06-12FL00WG<sup>1</sup></a>	60-90	6	WR-12	UG-387/U	EAR99
<a href="#">ATN10-12FH00WG<sup>1</sup></a>	60-90	10	WR-12	UG-387/U	EAR99
<a href="#">ATN10-12FL00WG<sup>1</sup></a>	60-90	10	WR-12	UG-387/U	EAR99
<a href="#">ATN15-12FH00WG<sup>1</sup></a>	60-90	15	WR-12	UG-387/U	EAR99
<a href="#">ATN15-12FL00WG<sup>1</sup></a>	60-90	15	WR-12	UG-387/U	EAR99
<a href="#">ATN20-12FH00WG<sup>1</sup></a>	60-90	20	WR-12	UG-387/U	EAR99
<a href="#">ATN20-12FL00WG<sup>1</sup></a>	60-90	20	WR-12	UG-387/U	EAR99
<a href="#">ATN25-12FH00WG<sup>1</sup></a>	60-90	25	WR-12	UG-387/U	EAR99
<a href="#">ATN25-12FL00WG<sup>1</sup></a>	60-90	25	WR-12	UG-387/U	EAR99
<a href="#">ATN30-12FH00WG<sup>1</sup></a>	60-90	30	WR-12	UG-387/U	EAR99
<a href="#">ATN30-12FL00WG<sup>1</sup></a>	60-90	30	WR-12	UG-387/U	EAR99
<a href="#">ATN00-10FH00WG<sup>1</sup></a>	75-110	0	WR-10	UG-387/U	EAR99
<a href="#">ATN00-10FL00WG<sup>1</sup></a>	75-110	0	WR-10	UG-387/U	EAR99
<a href="#">ATN03-10FH00WG<sup>1</sup></a>	75-110	3	WR-10	UG-387/U	EAR99
<a href="#">ATN03-10FL00WG<sup>1</sup></a>	75-110	3	WR-10	UG-387/U	EAR99
<a href="#">ATN06-10FH00WG<sup>1</sup></a>	75-110	6	WR-10	UG-387/U	EAR99
<a href="#">ATN06-10FL00WG<sup>1</sup></a>	75-110	6	WR-10	UG-387/U	EAR99
<a href="#">ATN10-10FH00WG<sup>1</sup></a>	75-110	10	WR-10	UG-387/U	EAR99
<a href="#">ATN10-10FL00WG<sup>1</sup></a>	75-110	10	WR-10	UG-387/U	EAR99
<a href="#">ATN15-10FH00WG<sup>1</sup></a>	75-110	15	WR-10	UG-387/U	EAR99
<a href="#">ATN15-10FL00WG<sup>1</sup></a>	75-110	15	WR-10	UG-387/U	EAR99

<sup>1</sup>Low power handles 300 mW, high power handles 3 W with fan cooling**\*New Release since 4/2026**

All electrical specifications given are typical values.

## FIXED ATTENUATORS (cont.)

Part Number	Band (GHz)	Attenuation (dB)	Waveguide Band	Flange	ECCN
<a href="#">ATN20-10FH00WG<sup>1</sup></a>	75-110	20	WR-10	UG-387/U	EAR99
<a href="#">ATN20-10FL00WG<sup>1</sup></a>	75-110	20	WR-10	UG-387/U	EAR99
<a href="#">ATN25-10FH00WG<sup>1</sup></a>	75-110	25	WR-10	UG-387/U	EAR99
<a href="#">ATN25-10FL00WG<sup>1</sup></a>	75-110	25	WR-10	UG-387/U	EAR99
<a href="#">ATN30-10FH00WG<sup>1</sup></a>	75-110	30	WR-10	UG-387/U	EAR99
<a href="#">ATN30-10FL00WG<sup>1</sup></a>	75-110	30	WR-10	UG-387/U	EAR99

<sup>1</sup>Low power handles 300 mW, high power handles 3 W with fan cooling

## MIXERS

Part Number	Band (GHz)	IF (GHz)	Conversion Loss (dB)	L-R Isolation (dB)	ECCN
<a href="#">MXDB-1500WG</a>	50-75	DC-25	7.2	35	EAR99
<a href="#">MXDB-1200WG</a>	60-90	DC-30	7.5	34	EAR99
<a href="#">MXDB-1500WG</a>	75-110	DC-35	9.0	28	EAR99

## TERMINATIONS

Part Number	Band (GHz)	Return Loss (dB)	Power Handling (W)	Waveguide Band	Flange	ECCN
<a href="#">TW50-28H00WG</a>	26.5-40	30	7	WR-28	UG-599/U	EAR99
<a href="#">TW50-28L00WG</a>	26.5-40	32	5	WR-28	UG-599/U	EAR99
<a href="#">TW50-22H00WG</a>	33-50	30	5	WR-22	UG-383/U	EAR99
<a href="#">TW50-22L00WG</a>	33-50	32	4	WR-22	UG-383/U	EAR99
<a href="#">TW50-19H00WG</a>	40-60	30	3	WR-19	UG-383/U	EAR99
<a href="#">TW50-19L00WG</a>	40-60	32	2	WR-19	UG-383/U	EAR99
<a href="#">TW50-15H00WG</a>	50-75	28	2	WR-15	UG-385/U	EAR99
<a href="#">TW50-15L00WG</a>	50-75	30	1	WR-15	UG-385/U	EAR99
<a href="#">TW50-12H00WG</a>	60-90	28	1.8	WR-12	UG-387/U	EAR99
<a href="#">TW50-12L00WG</a>	60-90	30	0.9	WR-12	UG-387/U	EAR99
<a href="#">TW50-10H00WG</a>	75-110	28	1.2	WR-10	UG-387/U	EAR99
<a href="#">TW50-10L00WG</a>	75-110	30	0.6	WR-10	UG-387/U	EAR99
<a href="#">TW50-08H00WG</a>	90-140	24	<a href="#">contact support</a>	WR-08	UG-387/U	EAR99
<a href="#">TW50-08L00WG</a>	90-140	26	<a href="#">contact support</a>	WR-08	UG-387/U	EAR99

\*New Release since 4/2026

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## WAVEGUIDE TWISTS

Part Number	Band (GHz)	Twist Angle	Flange	ECCN
<a href="#">WT45-28L00WG</a>	26.5-40	45°	UG-599/U	EAR99
<a href="#">WT45-28R00WG</a>	26.5-40	45°	UG-599/U	EAR99
<a href="#">WT90-2800WG</a>	26.5-40	90°	UG-599/U	EAR99
<a href="#">WT45-22R00WG</a>	33-50	45°	UG-383/U	EAR99
<a href="#">WT45-22L00WG</a>	33-50	45°	UG-383/U	EAR99
<a href="#">WT90-2200WG</a>	33-50	90°	UG-383/U	EAR99
<a href="#">WT90-1900WG</a>	40-60	90°	UG-383/U	EAR99
<a href="#">WT45-19R00WG</a>	40-60	45°	UG-383/U	EAR99
<a href="#">WT45-19L00WG</a>	40-60	45°	UG-383/U	EAR99
<a href="#">WT45-15L00WG</a>	50-75	45°	UG-385/U	EAR99
<a href="#">WT90-1500WG</a>	50-75	90°	UG-385/U	EAR99
<a href="#">WT45-15R00WG</a>	50-75	45°	UG-385/U	EAR99
<a href="#">WT90-1200WG</a>	60-90	90°	UG-387/U	EAR99
<a href="#">WT45-12R00WG</a>	60-90	45°	UG-387/U	EAR99
<a href="#">WT45-12L00WG</a>	60-90	45°	UG-387/U	EAR99
<a href="#">WT45-10R00WG</a>	75-110	45°	UG-387/U	EAR99
<a href="#">WT90-1000WG</a>	75-110	90°	UG-387/U	EAR99
<a href="#">WT45-10L00WG</a>	75-110	45°	UG-387/U	EAR99
<a href="#">WT45-08L00WG</a>	90-140	45°	UG-387/U	EAR99
<a href="#">WT45-08R00WG</a>	90-140	45°	UG-387/U	EAR99
<a href="#">WT90-0800WG</a>	90-140	90°	UG-387/U	EAR99
<a href="#">WT45-06R00WG</a>	110-170	45°	UG-387/U	EAR99
<a href="#">WT45-06L00WG</a>	110-170	45°	UG-387/U	EAR99
<a href="#">WT90-0600WG</a>	110-170	90°	UG-387/U	EAR99

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## WAVEGUIDE BENDS

Part Number	Band (GHz)	Bend Angle	Flange	ECCN
<a href="#">WE45-2800WG</a>	26.5-40	45°	UG-599/U	EAR99
<a href="#">WE90-2800WG</a>	26.5-40	90°	UG-599/U	EAR99
<a href="#">WH45-2800WG</a>	26.5-40	45°	UG-599/U	EAR99
<a href="#">WH90-2800WG</a>	26.5-40	90°	UG-599/U	EAR99
<a href="#">WE45-2200WG</a>	33-50	45°	UG-383/U	EAR99
<a href="#">WE90-2200WG</a>	33-50	90°	UG-383/U	EAR99
<a href="#">WH45-2200WG</a>	33-50	45°	UG-383/U	EAR99
<a href="#">WH90-2200WG</a>	33-50	90°	UG-383/U	EAR99
<a href="#">WE45-1900WG</a>	40-60	45°	UG-383/U	EAR99
<a href="#">WE90-1900WG</a>	40-60	90°	UG-383/U	EAR99
<a href="#">WH45-1900WG</a>	40-60	45°	UG-383/U	EAR99
<a href="#">WH90-1900WG</a>	40-60	90°	UG-383/U	EAR99
<a href="#">WE45-1500WG</a>	50-75	45°	UG-385/U	EAR99
<a href="#">WE90-1500WG</a>	50-75	90°	UG-385/U	EAR99
<a href="#">WH45-1500WG</a>	50-75	45°	UG-385/U	EAR99
<a href="#">WH90-1500WG</a>	50-75	90°	UG-385/U	EAR99
<a href="#">WE45-1200WG</a>	60-90	45°	UG-387/U	EAR99
<a href="#">WE90-1200WG</a>	60-90	90°	UG-387/U	EAR99
<a href="#">WH45-1200WG</a>	60-90	45°	UG-387/U	EAR99
<a href="#">WH90-1200WG</a>	60-90	90°	UG-387/U	EAR99
<a href="#">WE45-1000WG</a>	75-110	45°	UG-387/U	EAR99
<a href="#">WE90-1000WG</a>	75-110	90°	UG-387/U	EAR99
<a href="#">WH45-1000WG</a>	75-110	45°	UG-387/U	EAR99
<a href="#">WH90-1000WG</a>	75-110	90°	UG-387/U	EAR99
<a href="#">WE45-0800WG</a>	90-140	45°	UG-387/U	EAR99
<a href="#">WE90-0800WG</a>	90-140	90°	UG-387/U	EAR99
<a href="#">WH45-0800WG</a>	90-140	45°	UG-387/U	EAR99
<a href="#">WH90-0800WG</a>	90-140	90°	UG-387/U	EAR99
<a href="#">WE45-0600WG</a>	110-170	45°	UG-387/U	EAR99
<a href="#">WE90-0600WG</a>	110-170	90°	UG-387/U	EAR99
<a href="#">WH45-0600WG</a>	110-170	45°	UG-387/U	EAR99
<a href="#">WH90-0600WG</a>	110-170	90°	UG-387/U	EAR99

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## WAVEGUIDE STRAIGHTS

Part Number	Band (GHz)	Length (inch)	Flange	ECCN
<a href="#">WS-2800100WG</a>	26.5-40	1	UG-599/U	EAR99
<a href="#">WS-2800200WG</a>	26.5-40	2	UG-599/U	EAR99
<a href="#">WS-2800300WG</a>	26.5-40	3	UG-599/U	EAR99
<a href="#">WS-2800600WG</a>	26.5-40	6	UG-599/U	EAR99
<a href="#">WS-2200100WG</a>	33-50	1	UG-383/U	EAR99
<a href="#">WS-220010SWG</a>	33-50	1	UG-599/U	EAR99
<a href="#">WS-2200200WG</a>	33-50	2	UG-383/U	EAR99
<a href="#">WS-220020SWG</a>	33-50	2	UG-599/U	EAR99
<a href="#">WS-2200300WG</a>	33-50	3	UG-383/U	EAR99
<a href="#">WS-220030SWG</a>	33-50	3	UG-599/U	EAR99
<a href="#">WS-2200600WG</a>	33-50	6	UG-383/U	EAR99
<a href="#">WS-220060SWG</a>	33-50	6	UG-599/U	EAR99
<a href="#">WS-1900100WG</a>	40-60	1	UG-383/U	EAR99
<a href="#">WS-190010SWG</a>	40-60	1	UG-599/U	EAR99
<a href="#">WS-1900200WG</a>	40-60	2	UG-383/U	EAR99
<a href="#">WS-190020SWG</a>	40-60	2	UG-599/U	EAR99
<a href="#">WS-1900300WG</a>	40-60	3	UG-383/U	EAR99
<a href="#">WS-190030SWG</a>	40-60	3	UG-599/U	EAR99
<a href="#">WS-1900600WG</a>	40-60	6	UG-383/U	EAR99
<a href="#">WS-190060SWG</a>	40-60	6	UG-599/U	EAR99
<a href="#">WS-1500100WG</a>	50-75	1	UG-385/U	EAR99
<a href="#">WS-1500200WG</a>	50-75	2	UG-385/U	EAR99
<a href="#">WS-1500300WG</a>	50-75	3	UG-385/U	EAR99
<a href="#">WS-1500600WG</a>	50-75	6	UG-385/U	EAR99
<a href="#">WS-1200100WG</a>	60-90	1	UG-387/U	EAR99
<a href="#">WS-1200200WG</a>	60-90	2	UG-387/U	EAR99
<a href="#">WS-1200300WG</a>	60-90	3	UG-387/U	EAR99
<a href="#">WS-1200400WG</a>	60-90	4	UG-387/U	EAR99
<a href="#">WS-1000100WG</a>	75-110	1	UG-387/U	EAR99
<a href="#">WS-1000200WG</a>	75-110	2	UG-387/U	EAR99
<a href="#">WS-1000300WG</a>	75-110	3	UG-387/U	EAR99
<a href="#">WS-1000400WG</a>	75-110	4	UG-387/U	EAR99
<a href="#">WS-0800100WG</a>	90-140	1	UG-387/U	EAR99
<a href="#">WS-0800200WG</a>	90-140	2	UG-387/U	EAR99
<a href="#">WS-0800300WG</a>	90-140	3	UG-387/U	EAR99
<a href="#">WS-0800600WG</a>	90-140	6	UG-387/U	EAR99
<a href="#">WS-0600100WG</a>	110-170	1	UG-387/U	EAR99
<a href="#">WS-0600200WG</a>	110-170	2	UG-387/U	EAR99
<a href="#">WS-0600300WG</a>	110-170	3	UG-387/U	EAR99
<a href="#">WS-0600600WG</a>	110-170	6	UG-387/U	EAR99
<a href="#">WS-0500100WG</a>	140-220	1	UG-387/U	EAR99
<a href="#">WS-0500200WG</a>	140-220	2	UG-387/U	EAR99
<a href="#">WS-0500300WG</a>	140-220	3	UG-387/U	EAR99
<a href="#">WS-0500600WG</a>	140-220	6	UG-387/U	EAR99

## MARKI MICROWAVE PART NUMBER DECODER RING

Example: MM2-0530LS

Prefix=MM2, Identifier=0530, Diode=L, Package=S

### PREFIX

1 to 4 letters to identify the product category (**BAL**=balun, **PD**=power divider, etc)

- MMICs: M prefix (ex: **MBAL**, **MM1**, **MT3**)
- Modifiers: ex: **MT3A** Integrated LO Driver Amplifier

### IDENTIFIER

Most part numbers include a 4-digit string that identifies start/stop frequencies

(ex: **0416** = 4 to 16 GHz), with a few exceptions:

- Exceptions: amplifiers and NLTLS have the chip number instead of frequency band

### DIODE

Found on mixers, IQ mixers and multipliers. LO Drive is given at typical value.

- **L** diode: Vf=0.25V, LO Drive +5 to +15 dBm
- **H** diode: Vf=0.75V, LO Drive +11 to +20 dBm
- **S** diode: Vf=1.4V, LO Drive +17 to +23 dBm
- **T** diode: Vf=2V, LO Drive +20 to +27 dBm

### PACKAGES

- Bullet Housing: **BH**
- Sub-30GHz MMIC: typically **S**
- Amplifier packages: **PA**, **PC**, **PD**
- mmWave modules: **M**, **M2**, **U**, **UA**, **UB**, **UC**, etc
- Evaluation boards: **EVAL**, **EVB**

**CONNECTOR OPTIONS:** swaps are available upon request

- SMA
- 2.92 mm
- 2.4 mm
- 1.85 mm
- 1 mm

## WAVEGUIDE DECODER

Prefix: **ADA** = Active Doubler, **AQA** = Active Quadrupler, **ASA** = Active times Six

ADA-xxX00WG:

- Identifier: **xx** 2-digit string identifying the frequency band of operation (ex: 10 = WR-10)
- Identifier: **X** 1-digit string identifying : **F** = Full band **N**= Narrow band

Prefix: **ATN** identifies **Attenuator** product family

ATNXX-xxFX00WG:

- **XX** is a 2-digit string identifying the attenuation value
- Identifier: **xx** 2-digit string identifying the frequency band of operation. (ex: 10 = WR-10)
- **FX** identifies Fixed Attenuator, **X** = **L** for Low and **H** for High power; **LS** identifies Level Set Attenuator

Prefix: **C** identifies **Coupler** product family

CXX-xx00WG:

- **XX** identifier is coupling value (ex: 10, 20, 30 or 40 dB)
- Identifier: **xx** 2-digit string identifying the frequency band of operation (ex: 10 = WR-10)

Prefix: **DET** identifies **Detector** product family

DET-xxPP00WG:

- Identifier: **xx** 2-digit string identifying the frequency band of operation (ex: 10 = WR-10)
- Output: SMA Female
- **PP** Identifier is Polarity: Positive

Prefix: **ISO** identifies **Isolator** product family

ISO27-xxF00WG:

- **XX** identifies isolation value (ex: 27 dB)
- Identifier: **xx** 2-digit string identifying the frequency band of operation (ex: 10 = WR-10)

Prefix: **MX** identifies **Mixer** product family

MXDB-xx00WG:

- **DB** = Double Balanced
- Identifier: **xx** 2-digit string identifying the frequency band of operation (ex: 10 = WR-10)

Prefix: **PD** identifies Power Divider product family

PD20-xx00WG:

- **XX** = Output to Output isolation value. (ex: 20 dB)
- Identifier: **xx** 2-digit string identifying the frequency band of operation (ex: 10 = WR-10)

Prefix: **TW** identifies Termination product family

TW50-xxX00WG:

- Identifier: **xx** 2-digit string identifying the frequency band of operation (ex: 10 = WR-10)
- Identifier **X** = **H** for high Power, **L** for Low Power
- Connector options: UG-387, UG-385, UG-383 and UG-599

Prefix: **WE** identifies **Waveguide E plane bend** product family

WEXX-xx00WG:

- Identifier: **XX** 2-digit string identifying bend degree (45 or 90 Degrees)
- Identifier: **xx** 2-digit string identifying the frequency band of operation (ex: 10 = WR-10)

Prefix: **WH** identifies **Waveguide H plane bend** product family

WHXX-xx00WG:

- Identifier: **XX** 2-digit string identifying bend degree (45 or 90 Degrees)
- Identifier: **xx** 2-digit string identifying the frequency band of operation (ex: 10 = WR-10)

Prefix: **WS** identifies **Waveguide Straight** product family

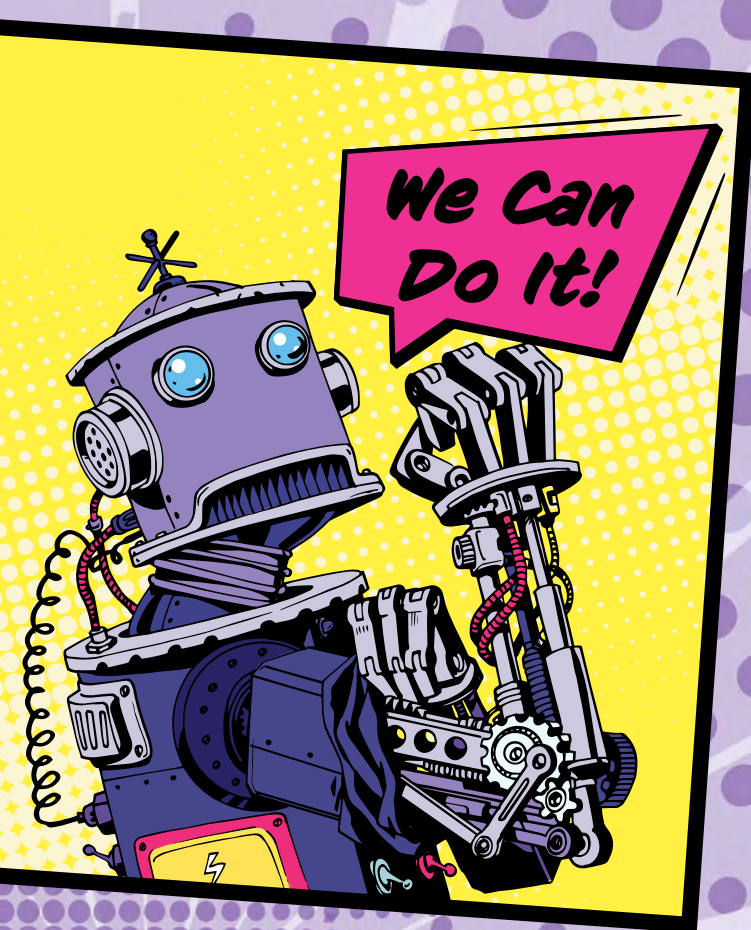
WS-xx00XXXWG:

- Identifier: **xx** 2-digit string identifying the frequency band of operation (ex: 10 = WR-10)
- Identifier: **XXX** 3-digit string identifying length in inches (ex: 3 inches=300)
- Identifier: **XXX** the last X in string will identify if the flange is Square (**S**) or Round (**R**)

Prefix: **WT** identifies **Waveguide Twist** product family

WTXX-xxX00WG:

- Identifier: **XX** 2-digit string identifying bend degree (45 or 90 Degrees)
- Identifier: **xx** 2-digit string identifying the frequency band of operation (ex: 10 = WR-10)
- Identifier: **X** 1-digit string identifying **L** for left and **R** for right hand twist



# No Die Left UNPACKAGED

## Leading-Edge Bullet Housing from Marki Microwave

Marki Microwave's new connectorized bullet housing for 2-port passive products is a cost-effective packaging solution delivering industry-leading performance from DC to 67 GHz. Designed to be fully customizable across Marki Microwave's extensive catalog of bare die products, including attenuators, equalizers, filters, multipliers, and limiters.

### Features

- DC-67 GHz Operation
- High-Performance, Low-Loss, Inline housing
- Supports 2-Port Products





# MARKI MICROWAVE

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