

ACTIVE DOUBLER



Part Number	Input (GHz)	Output (GHz)	1F Supp (dBc)	3F Supp (dBc)	Bias (V & mA)	ECCN
IADA-2050CH*	10-25	20-50	24	21	5V @ 233 mA	EAR99

PASSIVE MULTIPLIERS & NON LINEAR TRANSMISSION LINES

Part Number	Type	Input (GHz)	Output (GHz)	1F Supp (dBc)	3F Supp (dBc)	ECCN
MMD-0415HCH	Doubler	2-7.5	4-15	27	36	EAR99
MMD-1030(L/H)CH	Doubler	5-15	10-30	38/41	46/47	EAR99
MMD-1250HCH	Doubler	6-25	12-50	32	40	EAR99
MMD-1648LCH	Doubler	8-24	16-48	44	69	EAR99
MMD-2060(L/H)CH	Doubler	10-30	20-60	37/38	41/40	EAR99
MMD-3580LCH	Doubler	17.5-40	35-80	38	44	EAR99
MMD-20100HCH	Doubler	10-50	20-100	24.5	33	3A001.b.7.b.1
MMD-40120HCH	Doubler	20-60	40-120	30	40	3A001.b.7.b.1
MMQ-40125HCH	Quadrupler	10-31.25	40-125	19	12	3A001.b.7.b.1
NLTL-6273CH	Comb Generator	0.7-5	0.7-40	—	—	EAR99
NLTL-6275CH	Comb Generator	3-15	3-85	—	—	EAR99

POWER DIVIDERS 1:2



Part Number	Band (GHz)	Excess Loss (dB)	Amp Bal (dB)	Isolation (dB)	Type	ECCN
MPD-0R502CH*	0.5-2	1.1	±0.02	20.4	Wilkinson	EAR99
MPD-0226CH	2-26.5	1	±0.2	20	Wilkinson	EAR99

HYBRIDS, 90° Quadrature

Part Number	Band (GHz)	Amplitude Balance (dB)	Phase Balance (°)	Isolation (dB)	ECCN
MQS-0209CH	2-9	±0.5	±3	16	EAR99
MQS-0218CH	2-18	±1	±3	17	EAR99
MQH-2R58R5CH	2.5-8.5	±0.4	±3	23	EAR99
MQH-3R510CH	3.5-10	±0.4	±1.5	25	EAR99
MQS-0418CH	4-18	±0.4	±0.5	20	EAR99
MQH-0517CH	5-17	±0.5	±6	23	EAR99
MQH-0920CH	9-20	±0.55	±2	21.5	EAR99
MQH-1434CH	14-34	±0.7	±4.5	17	EAR99
MQH-1842CH	18-42	±1.5	±4	15	EAR99

***New Release since 6/1/24**

All electrical specifications given are typical values.

