

DIPLEXERS

Part Number	Passband Low (GHz)	Passband High (GHz)	Isolation (dB)	ECCN
MDPX-0305CH	DC-3	5-26.5	40	EAR99
MDPX-0407CH	DC-4	7-26.5	38	EAR99
MDPX-0609CH	DC-6	9-26.5	51	EAR99
MDPX-0710CH	DC-7	7-26.5	45	EAR99
MDPX-2330CH	DC-23	30-60	20	EAR99
MDPX-2734CH	DC-27	34-60	20	EAR99
MDPX-00002CH	DC-35	43.3-59.9	41	EAR99
MDPX-00001CH ¹	13.2-15.4	17.4-20.3	59	EAR99
				¹ Duplexer

EQUALIZERS, Positive Gain Slope

Part Number	Band (GHz)	Low Freq Attenuation (dB)	Typ Return Loss (dB)	ECCN
MEQX-7ACH	DC-7	3 , 6 , 10 & 12.5	29, 29, 27, 27	EAR99
MEQX-14ACH	DC-14	3 , 6 & 10	23, 22, 24	EAR99
MEQX-20ACH	DC-20	3 , 5 , 6 , 7.5 , 10 & 11	21, 22, 21, 23, 25, 23	EAR99
MEQX-30ACH	DC-30	3 , 6 & 10	20	EAR99
MEQX-60ACH	DC-60	3 , 6 & 10	15	EAR99
◆ MEQX-70ACH	DC-70	4* , 6* , 8* & 10*	31, 29, 33, 25	EAR99

FIXED FILTERS, Lowpass

Part Number	3dB Cutoff (GHz)	Passband Return Loss (dB)	ECCN
◆ MFLP-00007CH*	2.00	26	EAR99
◆ MFLP-00008CH*	3.20	23	EAR99
◆ MFLP-00009CH*	4.20	27	EAR99
MFLP-00001CH	6.18	20	EAR99
MFLP-00002CH	9.26	24	EAR99
MFLP-00003CH	12.15	20	EAR99
MFLP-00006CH	12.94	24	EAR99
MFLP-00004CH	15.03	21	EAR99
MFLP-00005CH	18.12	21	EAR99

FIXED FILTERS, Highpass

Part Number	3dB Cutoff (GHz)	Passband Return Loss (dB)	ECCN
MFHP-00001CH	2.00	20	EAR99
MFHP-00002CH	10.00	13	EAR99
MFHP-00003CH	15.50	11	EAR99

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

All electrical specifications given are typical values.



FIXED FILTERS, Absorptive

Part Number	Center Freq (GHz)	1dBc Passband (GHz)	Insertion Loss (dB)	Passband Return Loss (dB)	Stopband Return Loss (dB)	ECCN
MFQH-00001CH	19.90	18.50-21.30	3.40	25	12	EAR99

FIXED FILTERS, Bandpass

	Part Number	Center Freq (GHz)	1dBc Passband (GHz)	Insertion Loss (dB)	ECCN
	MFBP-00040CH	3.31	1.62-6.78	1.01	EAR99
	MFBP-00001CH	5.40	4.70-6.10	1.30	EAR99
	MFBP-00002CH	6.60	5.90-7.40	1.53	EAR99
◆	MFBP-00079CH*	7.38	5.97-9.12	2.39	EAR99
◆	MFBP-00084CH*	8.97	7.97-9.97	2.09	EAR99
	MFBA-00004CH	10.00	8.40-12.50	1.90	EAR99
	MFBP-00041CH	10.10	5.30-19.24	1.05	EAR99
◆	MFBP-00080CH*	10.38	9.97-11.98	2.21	EAR99
	MFB-1100CH	11.00	9.50-12.50	2.00	EAR99
◆	MFBP-00085CH*	11.26	8.8-14.41	1.74	EAR99
	MFBA-00003CH	12.00	10.10-14.10	2.10	EAR99
	MFBP-00026CH	12.50	10.00-14.75	1.20	EAR99
◆	MFBP-00081CH*	12.91	11.98-13.91	2.37	EAR99
	MFBP-00054CH	13.70	11.10-17.00	1.43	EAR99
◆	MFBP-00086CH*	14.84	12.54-17.56	2.48	EAR99
	MFBP-00043CH	14.85	12.14-18.16	1.37	EAR99
◆	MFBP-00082CH*	15.01	14.08-16.00	2.4	EAR99
	MFBB-00001CH	15.10	14.60-15.65	2.57	EAR99
	MFB-1600CH	16.00	12.60-18.60	1.50	EAR99
	MFBA-00001CH	16.00	14.10-17.90	2.40	EAR99
	MFBP-00048CH	16.18	15.15-17.29	2.04	EAR99
	MFBP-00025CH	16.50	13.15-19.45	1.20	EAR99
◆	MFBP-00083CH*	16.98	16.09-17.93	2.51	EAR99
	MFBP-00052CH	18.60	14.70-23.60	1.39	EAR99
	MFBP-00053CH	18.90	15.80-22.70	1.40	EAR99
	MFB-2025CH	20.25	16.75-24.40	1.50	EAR99
	MFBP-00044CH	20.92	17.83-24.46	1.52	EAR99
◆	MFBP-00070CH*	21.25	17.49-25.80	1.51	EAR99
	MFBB-00002CH	21.75	20.25-23.25	1.60	EAR99
	MFBP-00024CH	22.00	18.65-25.80	1.43	EAR99
◆	MFBP-00089CH*	22.20	17.90-27.54	1.51	EAR99
	MFBA-00002CH	22.20	18.10-26.00	1.80	EAR99
◆	MFBP-00068CH*	22.58	17.70-28.82	1.44	EAR99
	MFB-2400CH	24.00	21.00-27.00	1.50	EAR99
	MFB-2500CH	25.00	18.00-32.00	1.50	EAR99
◆	MFBP-00100CH*	25.34	21.53-29.82	1.72	EAR99
	MFBP-00042CH	26.25	17.70-38.93	1.82	EAR99
	MFB-2625CH	26.25	21.50-30.00	1.50	EAR99



FIXED FILTERS, Bandpass (cont.)

Part Number	Center Freq (GHz)	1dBc Passband (GHz)	Insertion Loss (dB)	ECCN
MFBP-00045CH	26.27	23.99-28.75	2.01	EAR99
MFBP-00056CH	27.00	21.80-33.40	1.33	EAR99
MFBP-00055CH	27.20	22.30-33.20	1.29	EAR99
MFBP-00023CH	28.50	25.00-33.30	1.70	EAR99
◆ MFBP-00071CH*	29.23	25.60-33.37	1.44	EAR99
◆ MFBP-00101CH*	30.69	27.56-34.17	2.11	EAR99
MFBP-00046CH	31.66	28.28-35.45	1.72	EAR99
MFB-3175CH	31.75	26.60-36.70	1.50	EAR99
MFB-3300CH	33.00	26.00-40.00	1.50	EAR99
MFB-3325CH	33.25	32.00-34.30	2.50	EAR99
◆ MFBP-00072CH*	33.26	30.69-36.05	1.83	EAR99
◆ MFBP-00069CH*	33.54	28.21-39.87	1.68	EAR99
◆ MFBP-00087CH*	34.38	29.75-39.74	1.61	EAR99
MFB-3475CH	34.75	29.95-40.00	2.00	EAR99
MFBP-00050CH	34.80	33.80-35.90	2.93	EAR99
MFB-3450CH	35.00	24.00-45.00	1.50	EAR99
◆ MFBP-00102CH*	35.45	32.00-39.28	1.85	EAR99
◆ MFBP-00073CH*	35.65	34.11-37.26	2.55	EAR99
MFBP-00022CH	36.00	31.00-41.20	1.70	EAR99
MFBP-00047CH	37.25	34.44-40.20	2.04	EAR99
MFBP-00057CH	37.50	30.50-46.20	1.50	EAR99
◆ MFBP-00075CH*	38.06	36.39-39.80	2.48	EAR99
MFBP-00051CH	38.40	36.80-40.00	2.49	EAR99
MFBC-00017CH	42.00	34.50-49.50	1.50	EAR99
MFBC-00008CH	44.50	36.70-51.10	1.50	EAR99
◆ MFBP-00103CH*	47.53	44.14-51.17	2.73	EAR99
MFB-5350CH	53.50	40.00-67.00	1.20	EAR99
MFBC-00018CH	53.75	44.50-62.50	2.00	EAR99
MFBC-00009CH	55.60	46.50-63.50	1.60	EAR99
MFBC-00019CH	70.00	58.30-77.70	2.85	EAR99
MFBC-00020CH	93.50	77.35-107.80	3.60	EAR99

LIMITERS

Part Number	Band (GHz)	Loss (dB)	Flat Leakage (dBm)	Average Power Handling (W)	Peak Power Handling (W)	P1dB (dBm)	ECCN
HLM-100001CH*¹	DC-10	0.8	+8.5@10GHz	10	—	+11	EAR99
HLM-8011CH¹	DC-30	0.4	+7@30GHz	1	4.5	+10	EAR99
HLM-40CH¹	DC-40	0.5	+16@20GHz	4	20	+15	EAR99
HLM-70CH¹	DC-70	0.8	+9@40GHz	4	20	+9	EAR99

¹Power ratings are dependent on frequency, temperature, and pulse conditions***New Release since 6/1/24**

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