

# PASSIVE FREQUENCY DOUBLERS

MODEL NUMBER	INPUT FREQUENCY (GHz)	INPUT POWER (dBm)	OUTPUT FREQUENCY (GHz)	CONVERSION LOSS (dB) (Typ./Max.)	HARMONIC REJECTION FUND./ODD (dBc, Typ.)	OUTLINE NUMBER	OPTIONAL OUTLINE
<b>OCTAVE BANDWIDTH</b>							
MX2J020040	1 – 2	3 – 8	2 – 4	9.5 / 13	20 / 20	MX2A	
MX2M020040 *	1 – 2	8 – 12	2 – 4	9.5 / 13	20 / 20	MX2A	
MX2H020040	1 – 2	12 – 16	2 – 4	9.5 / 13	20 / 20	MX2A	
MX2V020040	1 – 2	16 – 20	2 – 4	9.5 / 13	20 / 20	MX2A	
MX2U020040	1 – 2	20 – 25	2 – 4	9.5 / 13	20 / 20	MX2A	
MX2J040080	2 – 4	3 – 8	4 – 8	11 / 13**	20 / 20	MX2B	MX2C
MX2M040080 *	2 – 4	8 – 12	4 – 8	11 / 13**	20 / 20	MX2B	MX2C
MX2H040080	2 – 4	12 – 16	4 – 8	11 / 13**	20 / 20	MX2B	MX2C
MX2V040080	2 – 4	16 – 20	4 – 8	11 / 13**	20 / 20	MX2B	MX2C
MX2U040080	2 – 4	20 – 25	4 – 8	11 / 13**	20 / 20	MX2B	MX2C
MX2J080160	4 – 8	3 – 8	8 – 16	11 / 13**	20 / 20	MX2B	MX2C
MX2M080160 *	4 – 8	8 – 12	8 – 16	11 / 13**	20 / 20	MX2B	MX2C
MX2H080160	4 – 8	12 – 16	8 – 16	11 / 13**	20 / 20	MX2B	MX2C
MX2V080160	4 – 8	16 – 20	8 – 16	11 / 13**	20 / 20	MX2B	MX2C
MX2U080160	4 – 8	20 – 25	8 – 16	11 / 13**	20 / 20	MX2B	MX2C
MX2J130260	6.5 – 13	3 – 8	13 – 26	11 / 13	20 / 20	MX2D	
MX2M130260 *	6.5 – 13	8 – 12	13 – 26	11 / 13	20 / 20	MX2D	
MX2H130260	6.5 – 13	12 – 16	13 – 26	11 / 13	20 / 20	MX2D	
MX2V130260	6.5 – 13	16 – 20	13 – 26	11 / 13	20 / 20	MX2D	
MX2U130260	6.5 – 13	20 – 25	13 – 26	11 / 13	20 / 20	MX2D	
MX2M260400 *	13 – 20	8 – 12	26 – 40	10 / 13	15 / 15	MX2E	
MX2V260400	13 – 20	16 – 20	26 – 40	10 / 13	15 / 15	MX2E	

\*\* 15 dB for MX2C outline.

<b>MULTIOCTAVE BANDWIDTH</b>							
MX2J004010	0.02 – 0.5	3 – 8	0.04 – 1	10.5 / 13	25 / 25	MX2A	
MX2M004010 *	0.02 – 0.5	8 – 12	0.04 – 1	10.5 / 13	25 / 25	MX2A	
MX2H004010	0.02 – 0.5	12 – 16	0.04 – 1	10.5 / 13	25 / 25	MX2A	
MX2V004010	0.02 – 0.5	16 – 20	0.04 – 1	10.5 / 13	25 / 25	MX2A	
MX2U004010	0.02 – 0.5	20 – 25	0.04 – 1	10.5 / 13	25 / 25	MX2A	
MX2J010060	0.5 – 3	3 – 8	1 – 6	10.5 / 15	15 / 20	MX2A	
MX2M010060 *	0.5 – 3	8 – 12	1 – 6	10.5 / 15	15 / 20	MX2A	
MX2H010060	0.5 – 3	12 – 16	1 – 6	10.5 / 15	15 / 20	MX2A	
MX2V010060	0.5 – 3	16 – 20	1 – 6	10.5 / 15	15 / 20	MX2A	
MX2U010060	0.5 – 3	20 – 25	1 – 6	10.5 / 15	15 / 20	MX2A	
MX2J030180	1.5 – 9	3 – 8	3 – 18	12 / 15	15 / 20	MX2B	MX2C
MX2M030180 *	1.5 – 9	8 – 12	3 – 18	12 / 15	15 / 20	MX2B	MX2C
MX2H030180	1.5 – 9	12 – 16	3 – 18	12 / 15	15 / 20	MX2B	MX2C
MX2V030180	1.5 – 9	16 – 20	3 – 18	12 / 15	15 / 20	MX2B	MX2C
MX2U030180	1.5 – 9	20 – 25	3 – 18	12 / 15	15 / 20	MX2B	MX2C
MX2J060260	3 – 13	3 – 8	6 – 26	12 / 18	15 / 20	MX2D	
MX2M060260 *	3 – 13	8 – 12	6 – 26	12 / 18	15 / 20	MX2D	
MX2H060260	3 – 13	12 – 16	6 – 26	12 / 18	15 / 20	MX2D	
MX2V060260	3 – 13	16 – 20	6 – 26	12 / 18	15 / 20	MX2D	
MX2U060260	3 – 13	20 – 25	6 – 26	12 / 18	15 / 20	MX2D	

\* Complete data sheet available inside catalog.

Consult MITEQ for higher-order passive multipliers.