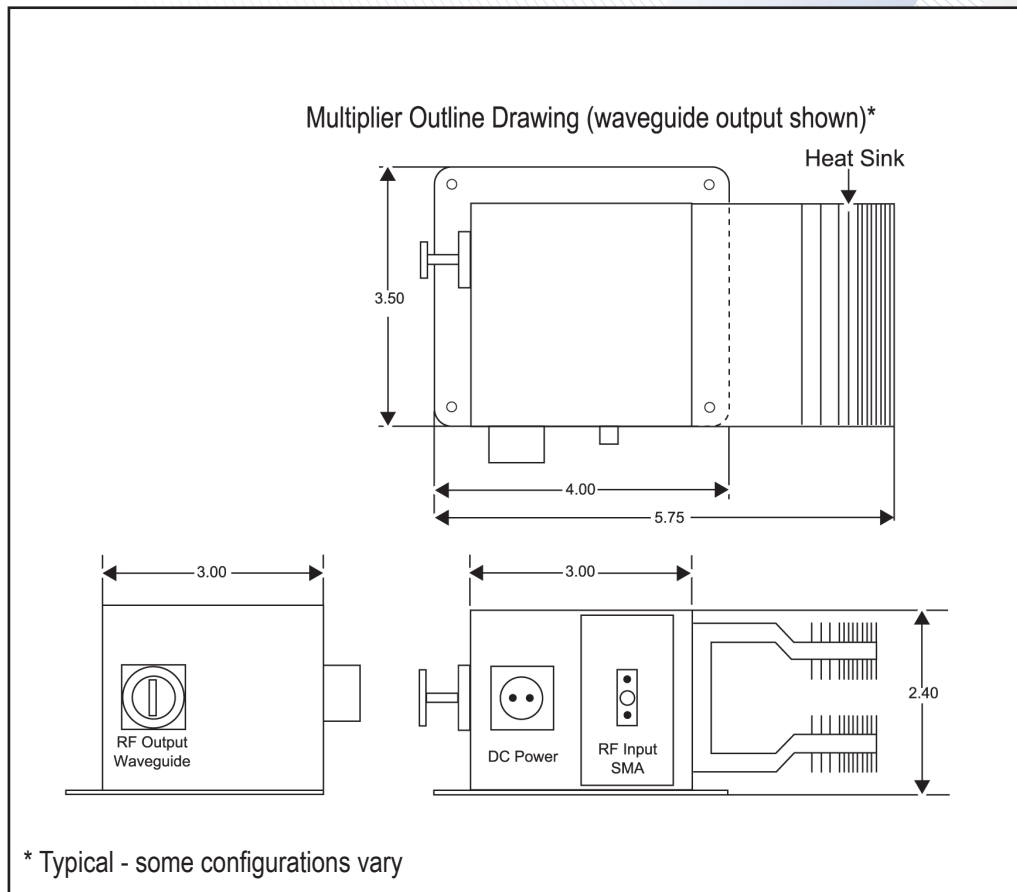
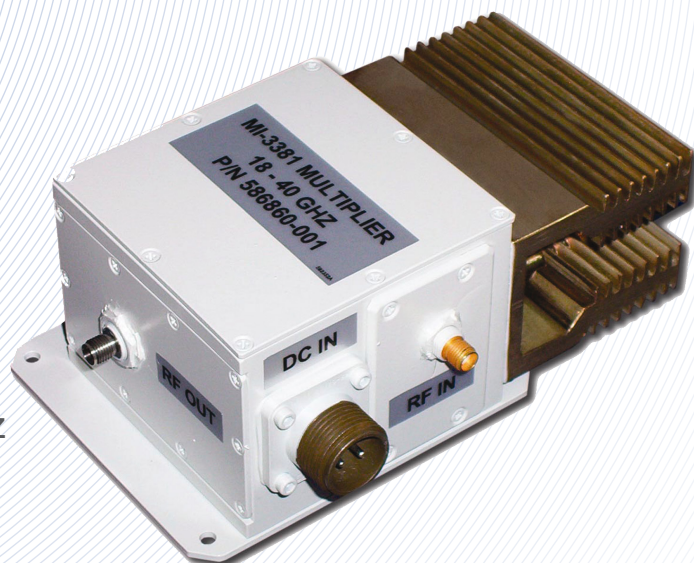


Specifications

Model	Output Frequency Range (GHz)	Multiplying Factor	Input Frequency Range (GHz)	RF Input Power (dBm, max, no damage)	RF Input Power (dBm, min)	RF Output Power (dBm min)	Conversion Gain (dBm, min)	Spurs/ Harmonics (dBc, max)
MI-3381	18-40	2	9-20	20	10	13	3	-15
MI-3382	26.5-40	2	13.25-20	20	0	10	10	-15
MI-3383	40-60	4	10-15	20	10	5	-5	-15
MI-3383A	40-46	3	13.33-15.33	20	5	13	8	-15
MI-3384	60-90	6	10-15	20	10	0	-10	-15
MI-3384A	59-66	4	14.75-16.5	20	5	10	5	-15
MI-3385	92-96	6	15.3-16	20	5	3	-2	-15
MI-3386	18-26.5	2	9-13.25	20	10	13	3	-15
MI-3387	75-110	6	12.5-18.3	13	10	0	-5	-15



MI-3380 Family of Frequency Multipliers



- Frequency extension capability up to 110 GHz
- High output power over broad bandwidths

Description

MI Technologies' MI-3380 Family of Frequency Multipliers uses state-of-the-art active devices for frequency multiplication and amplification over the 18-110 GHz frequency range. These frequency multipliers provide a simple and economical approach to enhancing and expanding the performance of the MI-350 Advanced Microwave Measurement System featuring the MI-750 Advanced Digital Receiver.

The standard multiplier housing has an SMA input port and a 2.9 mm coaxial connector output port for 18-40.0 GHz and WR-42 through WR-10 waveguide sizes for higher frequency bands. The multipliers come standard with a power supply, heat sink, six-foot power supply to multiplier cable and a six-foot AC cord.

Applications

The nine models that comprise the MI-3380 Family of Frequency Multipliers provide a simple and economical solution for adding signal multiplication and gain in a variety of system applications, including antenna, radome and radar cross section test and measurement.

All of the MI-3380 Frequency Multipliers are compatible with the MI-3120 Family of Synthesized Signal Sources as well as third-party signal sources.

