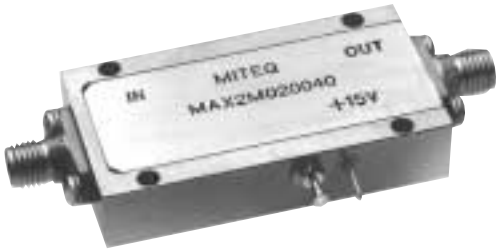
ACTIVE FREQUENCY DOUBLERS

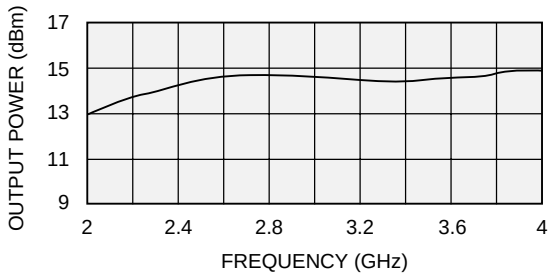
MODEL: MAX2M020040

ELECTRICAL SPECIFICATIONS

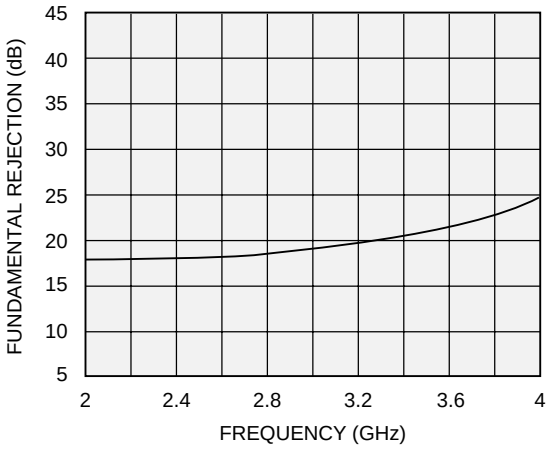
Input frequency range	1 – 2 GHz minimum
Output frequency range	2 – 4 GHz minimum
Input power range	8 – 12 dBm nominal
Conversion loss	0 dB typical
Harmonic rejection	
Fundamental	20 dB typical
Odd harmonic	20 dB typical



OUTPUT POWER VS. FREQUENCY

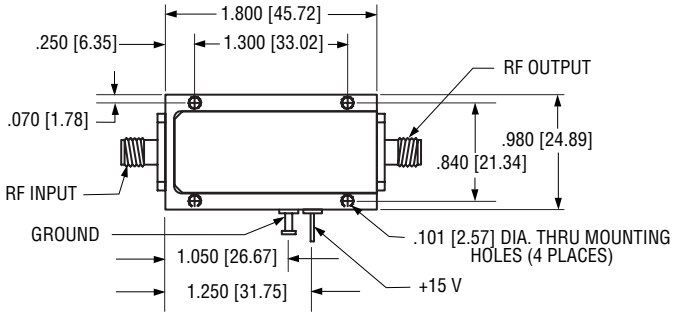


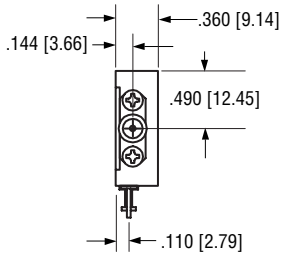
FUNDAMENTAL REJECTION VS. FREQUENCY



(P_{IN} = +10 dBm)

MAX2A





Notes:

1. Dimensions are in inches [millimeters]
   Tolerance as follows:
   .xx = ±0.01 [.xx = ±0.25]
   .xxx = ±0.005 [.xxx = ±0.13]

2. Optional SMA, K or V type male connectors in either input, output or both.

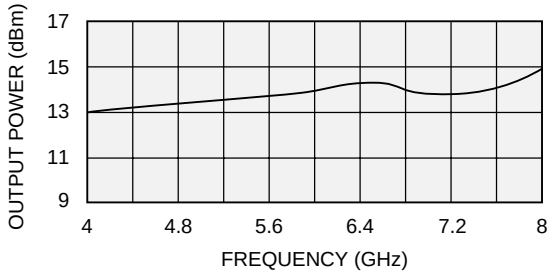
ACTIVE FREQUENCY DOUBLERS (CONT.)

MODEL: MAX2M040080

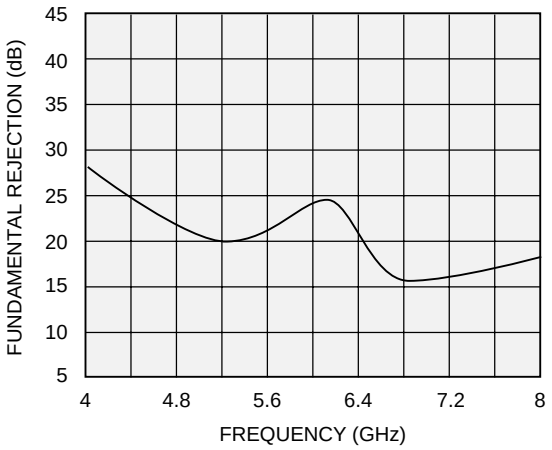
ELECTRICAL SPECIFICATIONS

Input frequency range	2 – 4 GHz minimum
Output frequency range	4 – 8 GHz minimum
Input power range	8 – 12 dBm nominal
Conversion loss	0 dB typical
Harmonic rejection	
Fundamental	20 dB typical
Odd harmonic	20 dB typical

OUTPUT POWER VS. FREQUENCY

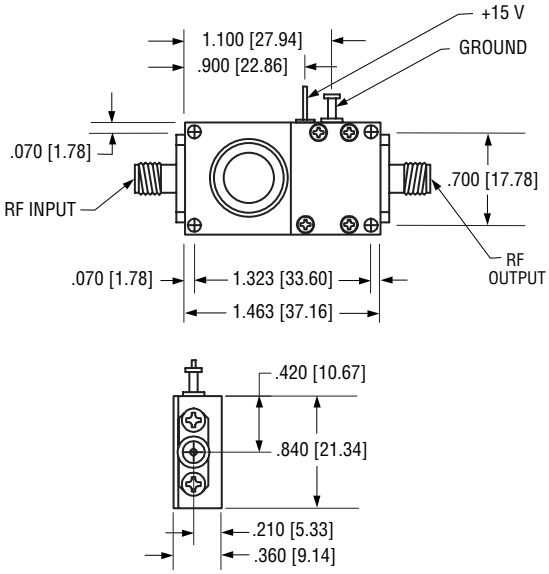


FUNDAMENTAL REJECTION VS. FREQUENCY



(P_{IN} = +10 dBm)

MAX2B



Notes:

1. Dimensions are in inches [millimeters]
   Tolerance as follows:
   .xx = ±0.01 [.xx = ±0.25]
   .xxx = ±0.005 [.xxx = ±0.13]

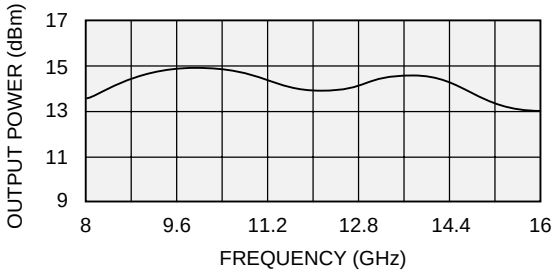
2. Optional SMA, K or V type male connectors in either input, output or both.

MODEL: MAX2M080160

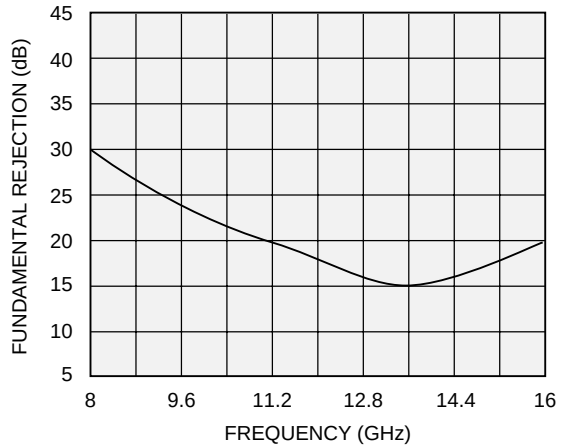
ELECTRICAL SPECIFICATIONS

Input frequency range	4 – 8 GHz minimum
Output frequency range	8 – 16 GHz minimum
Input power range	8 – 12 dBm nominal
Conversion loss	0 dB typical
Harmonic rejection	
Fundamental	20 dB typical
Odd harmonic	20 dB typical

OUTPUT POWER VS. FREQUENCY

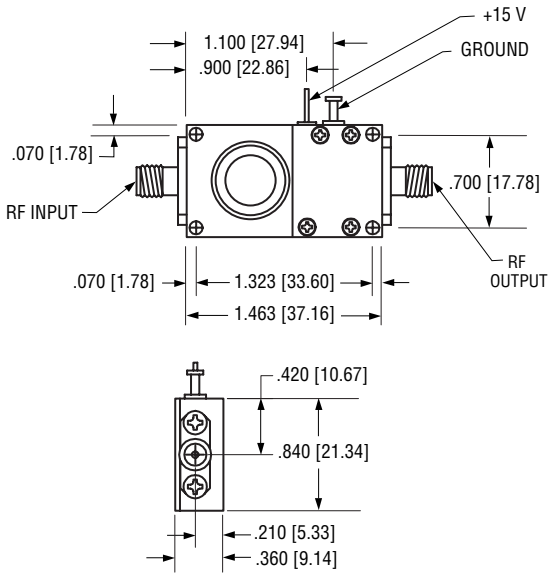


FUNDAMENTAL REJECTION VS. FREQUENCY



(P_{IN} = +10 dBm)

MAX2B



Notes:

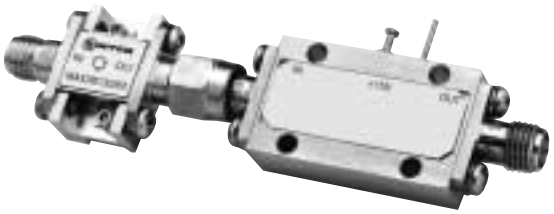
1. Dimensions are in inches [millimeters]
   Tolerance as follows:
   .xx = ±0.01 [.xx = ±0.25]
   .xxx = ±0.005 [.xxx = ±0.13]

2. Optional SMA, K or V type male connectors in either input, output or both.

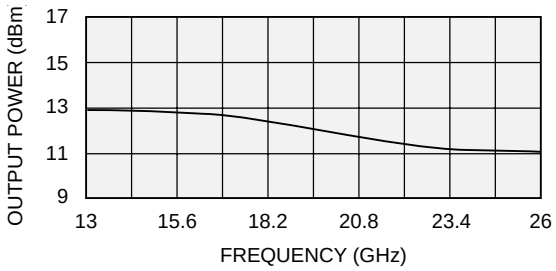
MODEL: MAX2M130260

ELECTRICAL SPECIFICATIONS

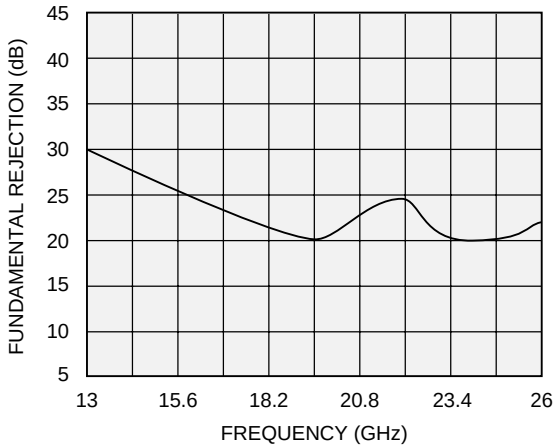
Input frequency range	6.5 – 13 GHz minimum
Output frequency range	13 – 26 GHz minimum
Input power range	8 – 12 dBm nominal
Conversion loss	0 dB typical
Harmonic rejection	
Fundamental	20 dB typical
Odd harmonic	20 dB typical



OUTPUT POWER VS. FREQUENCY

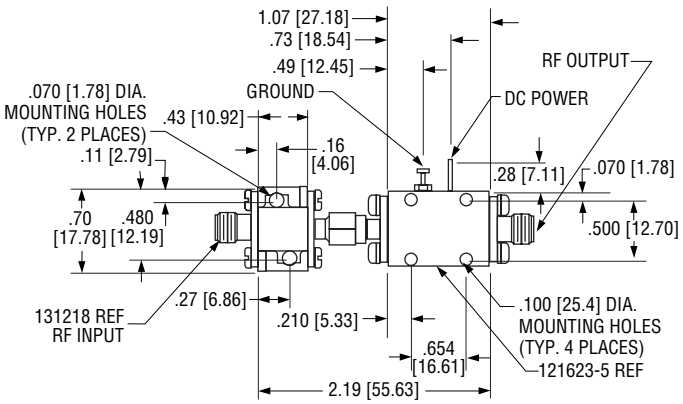


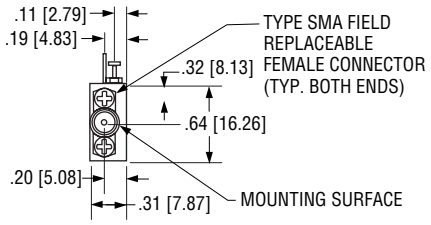
FUNDAMENTAL REJECTION VS. FREQUENCY



(P_{IN} = +10 dBm)

MAX2C





Notes:

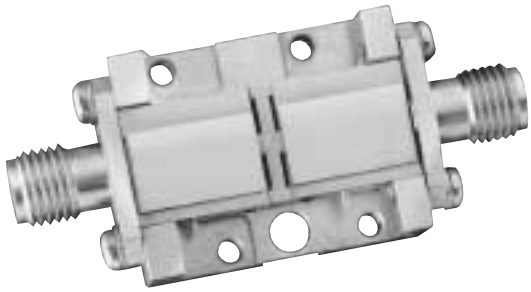
1. Dimensions are in inches [millimeters]
   Tolerance as follows:
   .xx = ±0.01 [.xx = ±0.25]
   .xxx = ±0.005 [.xxx = ±0.13]

2. Optional SMA, K or V type male connectors in either input, output or both.

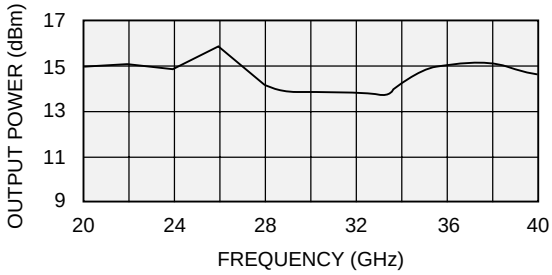
MODEL: MAX2M200400

ELECTRICAL SPECIFICATIONS

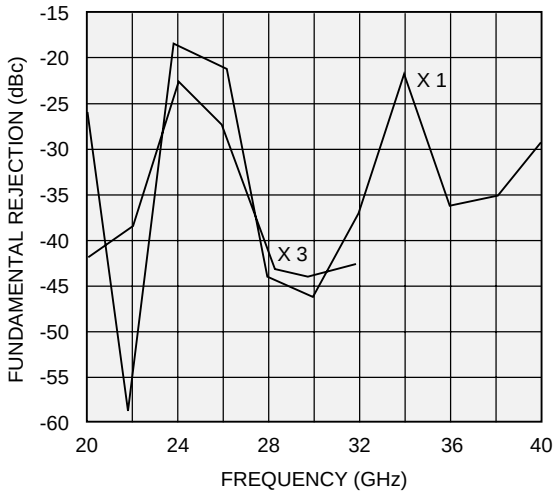
Input frequency range	10 – 20 GHz minimum
Output frequency range	20 – 40 GHz minimum
Input power range	10 – 15 dBm nominal
Harmonic rejection	
Fundamental	18 dB typical
Odd harmonic	18 dB typical



OUTPUT POWER VS. FREQUENCY

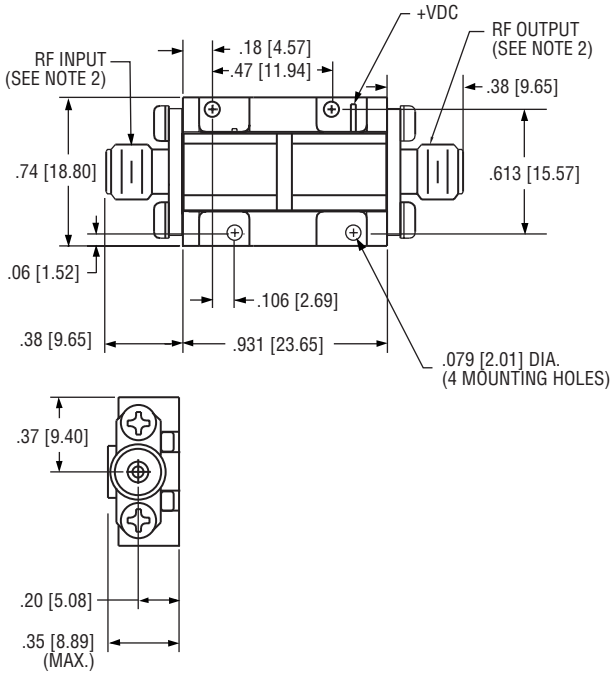


FUNDAMENTAL REJECTION VS. FREQUENCY



(P_{IN} = +10 dBm)

MAX2F



Notes:

1. Dimensions are in inches [millimeters]
   Tolerance as follows:
   .xx = ±0.01 [.xx = ±0.25]
   .xxx = ±0.005 [.xxx = ±0.13]

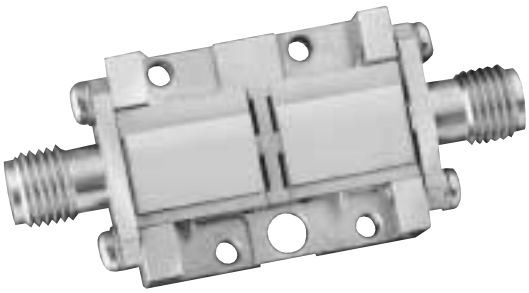
2. Optional SMA, K or V type male connectors in either input, output or both.

3. Optional waveguide output available, please contact factory.

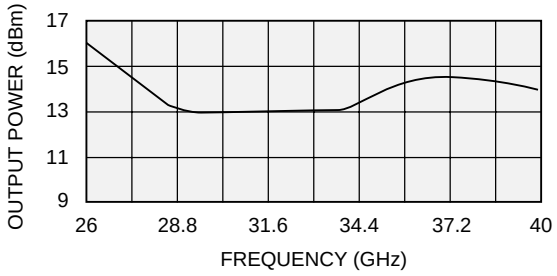
MODEL: MAX2M260400

ELECTRICAL SPECIFICATIONS

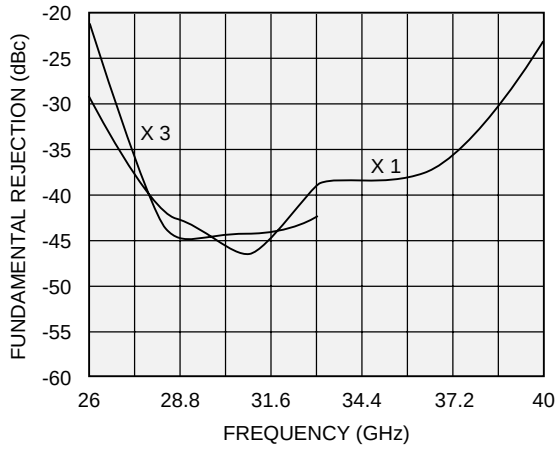
Input frequency range	13 – 20 GHz minimum
Output frequency range	26 – 40 GHz minimum
Input power range	10 – 15 dBm nominal
Harmonic rejection	
Fundamental	18 dB typical
Odd harmonic	18 dB typical



OUTPUT POWER VS. FREQUENCY

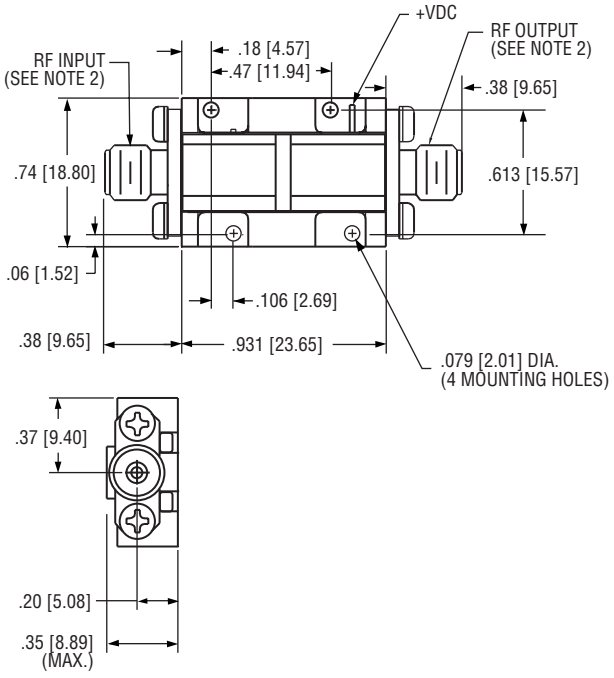


FUNDAMENTAL REJECTION VS. FREQUENCY



(P_{IN} = +10 dBm)

MAX2F



Notes:

1. Dimensions are in inches [millimeters]
   Tolerance as follows:
   .xx = ±0.01 [.xx = ±0.25]
   .xxx = ±0.005 [.xxx = ±0.13]

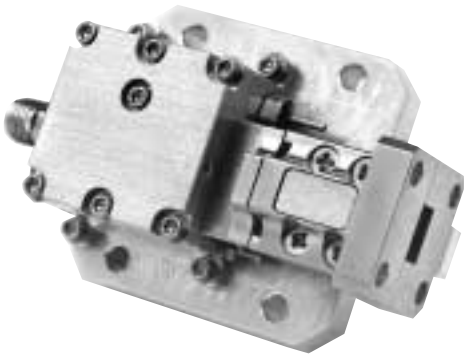
2. Optional SMA, K or V type male connectors in either input, output or both.

3. Optional waveguide output available, please contact factory.

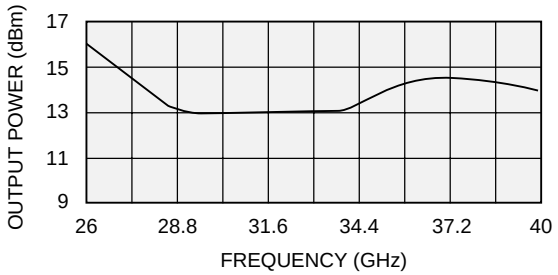
MODEL: MAX2M260400W (WAVEGUIDE WR28 OUTPUT)

ELECTRICAL SPECIFICATIONS

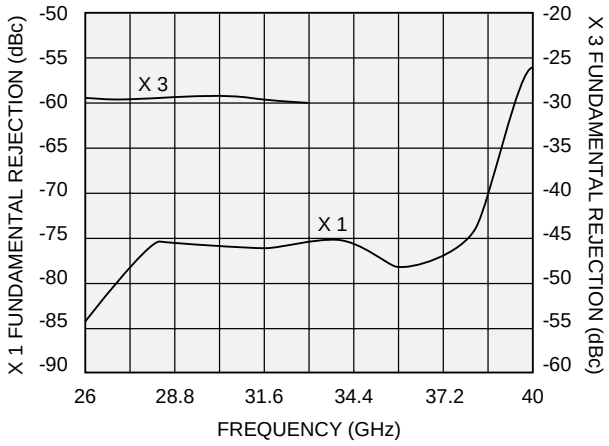
Input frequency range	13 – 20 GHz minimum
Output frequency range	26 – 40 GHz minimum
Input power range	10 – 15 dBm nominal
Harmonic rejection	
Fundamental	> 20 dB typical
Odd harmonic	> 20 dB typical



OUTPUT POWER VS. FREQUENCY

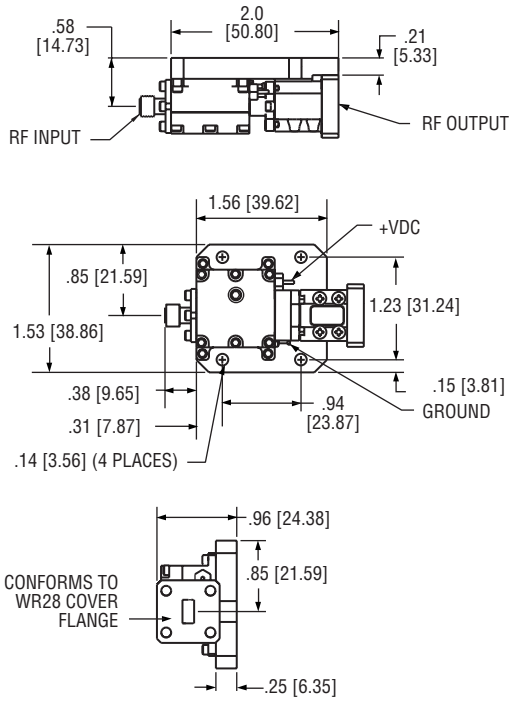


FUNDAMENTAL REJECTION VS. FREQUENCY



(P_{IN} = +10 dBm)

MAX2G



Notes:

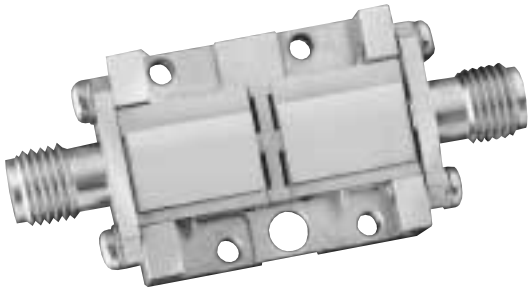
1. Dimensions are in inches [millimeters]
   Tolerance as follows:
   .xx = ±0.01 [.xx = ±0.25]
   .xxx = ±0.005 [.xxx = ±0.13]

2. Optional SMA, K or V type male connectors in either input, output or both.

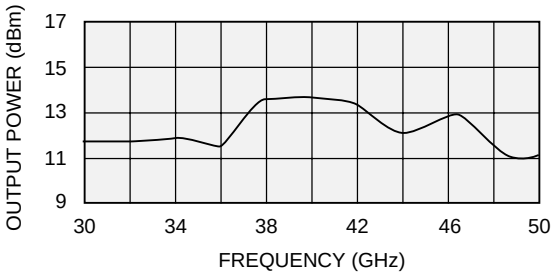
MODEL: MAX2M300500

ELECTRICAL SPECIFICATIONS

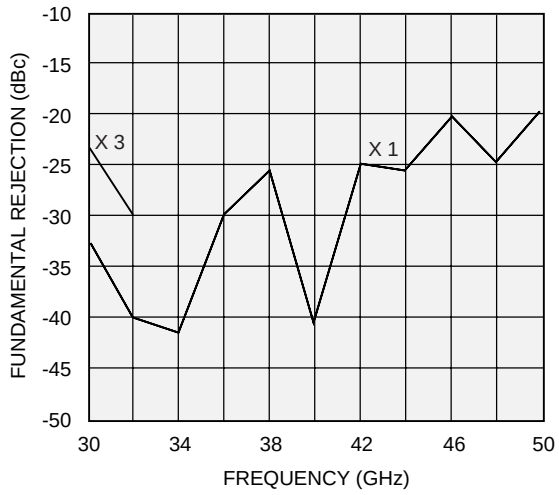
Input frequency range	15 – 25 GHz minimum
Output frequency range	30 – 50 GHz minimum
Input power range	10 – 15 dBm nominal
Harmonic rejection	
Fundamental	18 dB typical
Odd harmonic	18 dB typical



OUTPUT POWER VS. FREQUENCY

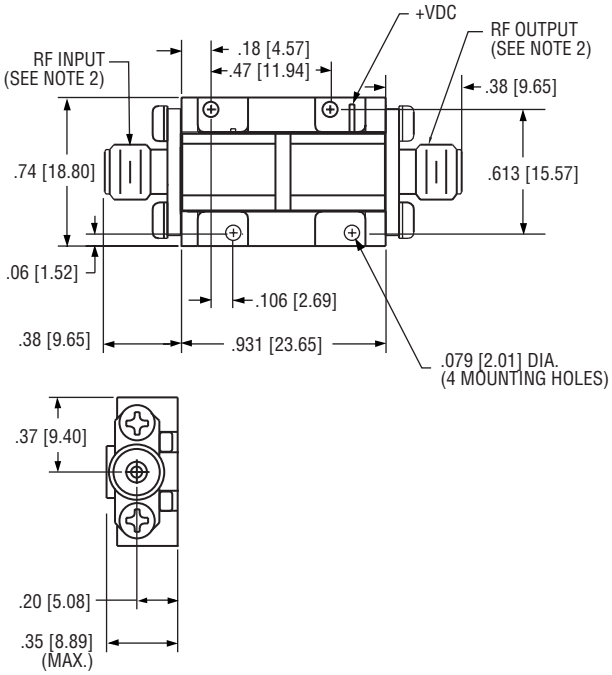


FUNDAMENTAL REJECTION VS. FREQUENCY



(P_{IN} = +10 dBm)

MAX2F



Notes:

1. Dimensions are in inches [millimeters]
   Tolerance as follows:
   .xx = ±0.01 [.xx = ±0.25]
   .xxx = ±0.005 [.xxx = ±0.13]

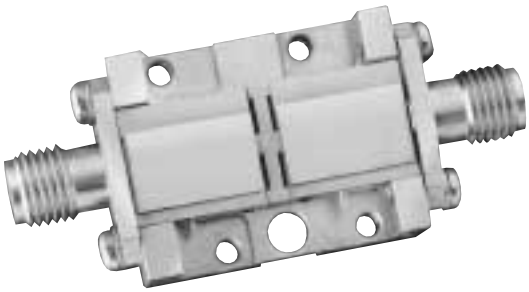
2. Optional SMA, K or V type male connectors in either input, output or both.

3. Optional waveguide output available, please contact factory.

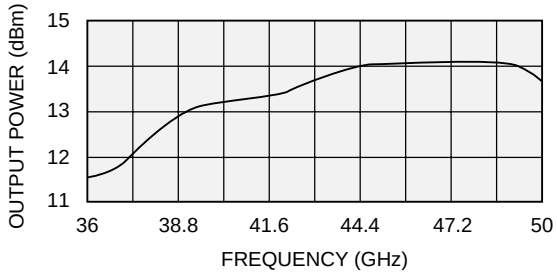
MODEL: MAX2M360500

ELECTRICAL SPECIFICATIONS

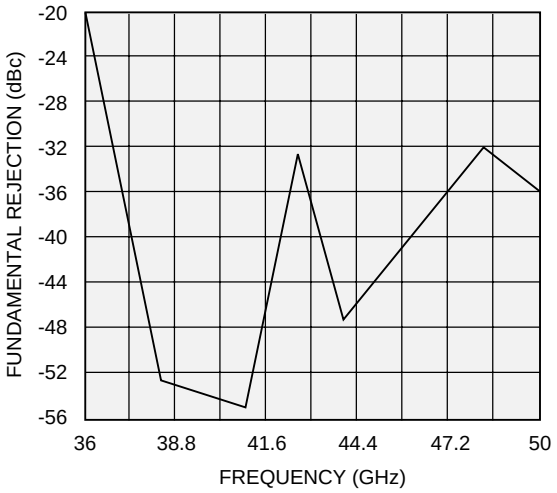
Input frequency range	18 – 25 GHz minimum
Output frequency range	36 – 50 GHz minimum
Input power range	10 – 15 dBm nominal
Harmonic rejection	
Fundamental	18 dB typical
Odd harmonic	18 dB typical



OUTPUT POWER VS. FREQUENCY

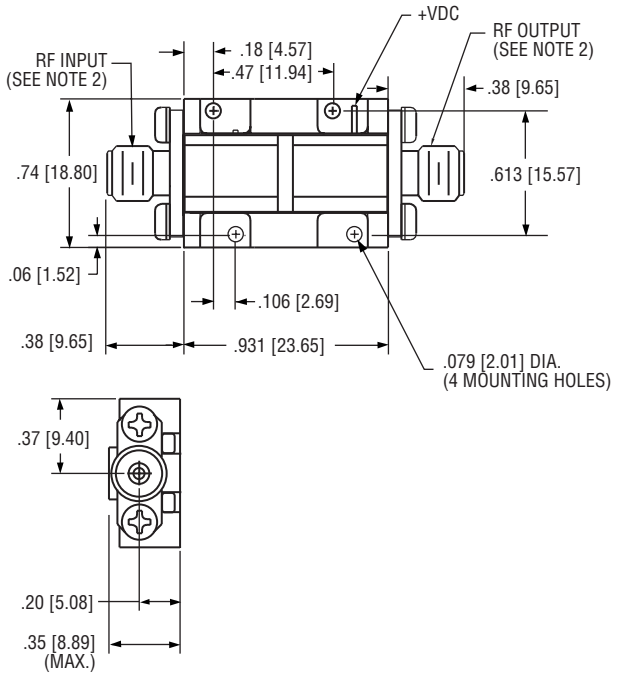


FUNDAMENTAL REJECTION VS. FREQUENCY



(P_{IN} = +10 dBm)

MAX2F



Notes:

1. Dimensions are in inches [millimeters]
   Tolerance as follows:
   .xx = ±0.01 [.xx = ±0.25]
   .xxx = ±0.005 [.xxx = ±0.13]

2. Optional SMA, K or V type male connectors in either input, output or both.

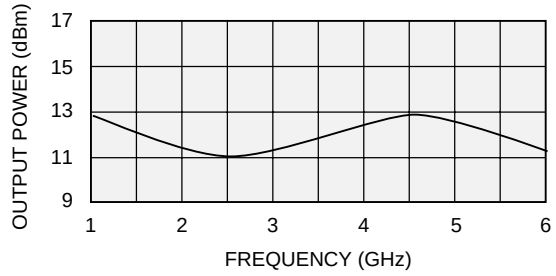
3. Optional waveguide output available, please contact factory.

MODEL: MAX2M010060

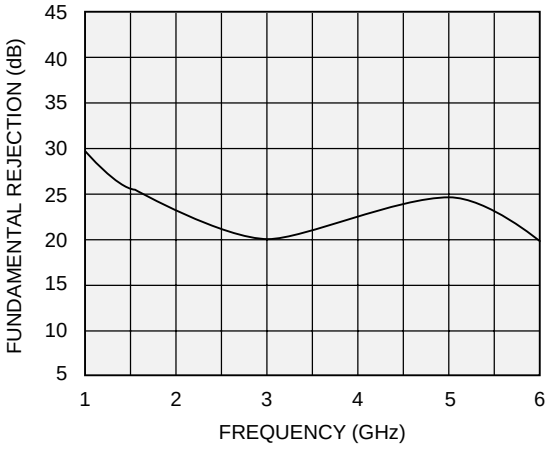
ELECTRICAL SPECIFICATIONS

Input frequency range	0.5 – 3 GHz minimum
Output frequency range	1 – 6 GHz minimum
Input power range	8 – 12 dBm nominal
Conversion loss	0 dB typical
Harmonic rejection	
Fundamental	20 dB typical
Odd harmonic	20 dB typical

OUTPUT POWER VS. FREQUENCY

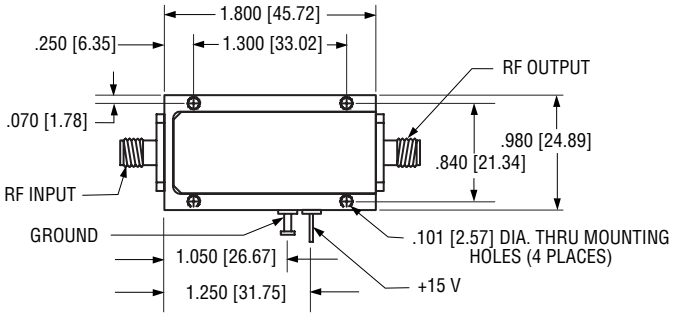


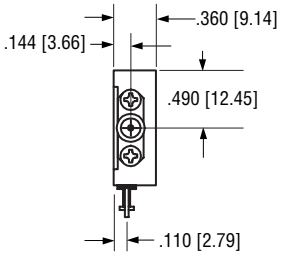
FUNDAMENTAL REJECTION VS. FREQUENCY



(P_{IN} = +10 dBm)

MAX2A





Notes:

1. Dimensions are in inches [millimeters]
   Tolerance as follows:
   .xx = ±0.01 [.xx = ±0.25]
   .xxx = ±0.005 [.xxx = ±0.13]

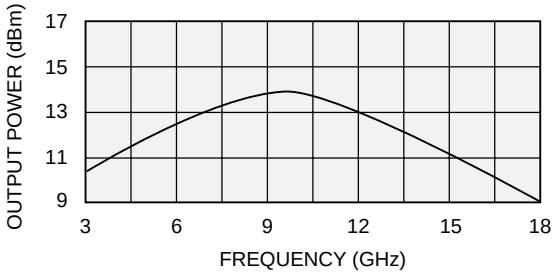
2. Optional SMA, K or V type male connectors in either input, output or both.

MODEL: MAX2M030180

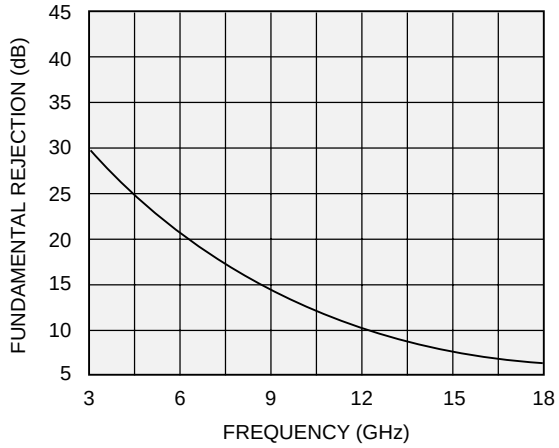
ELECTRICAL SPECIFICATIONS

Input frequency range	1.5 – 9 GHz minimum
Output frequency range	3 – 18 GHz minimum
Input power range	8 – 12 dBm nominal
Conversion loss	0 dB typical
Harmonic rejection	
Fundamental	15 dB typical
Odd harmonic	20 dB typical

OUTPUT POWER VS. FREQUENCY

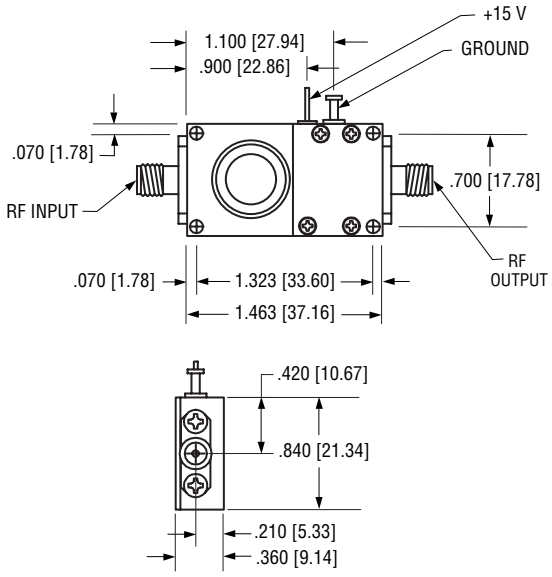


FUNDAMENTAL REJECTION VS. FREQUENCY



(P_{IN} = +10 dBm)

MAX2B



Notes:

1. Dimensions are in inches [millimeters]
   Tolerance as follows:
   .xx = ±0.01 [.xx = ±0.25]
   .xxx = ±0.005 [.xxx = ±0.13]

2. Optional SMA, K or V type male connectors in either input, output or both.

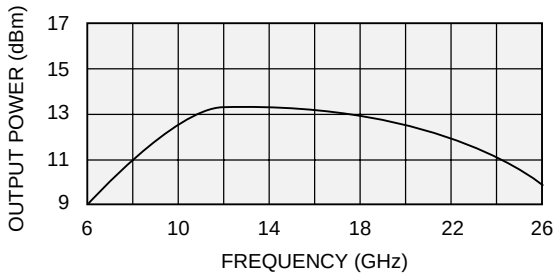
ACTIVE FREQUENCY DOUBLERS (CONT.)

MODEL: MAX2M060260

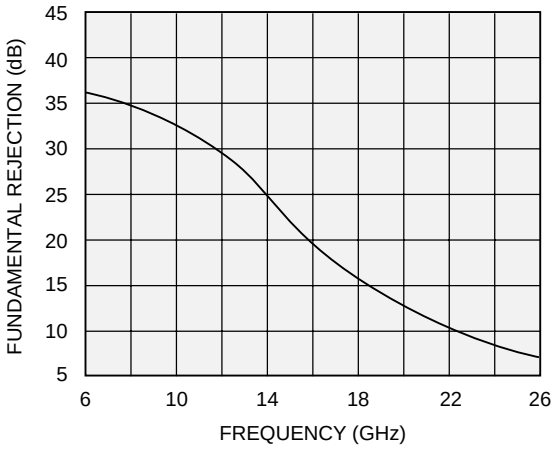
ELECTRICAL SPECIFICATIONS

Input frequency range	3 – 13 GHz minimum
Output frequency range	6 – 26 GHz minimum
Input power range	8 – 12 dBm nominal
Conversion loss	0 dB typical
Harmonic rejection	
Fundamental	12 dB typical
Odd harmonic	15 dB typical

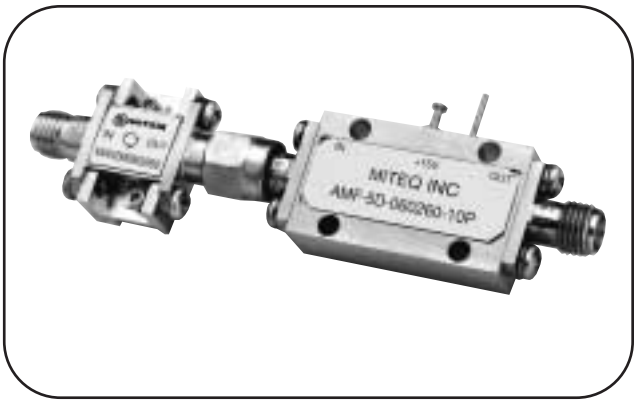
OUTPUT POWER VS. FREQUENCY



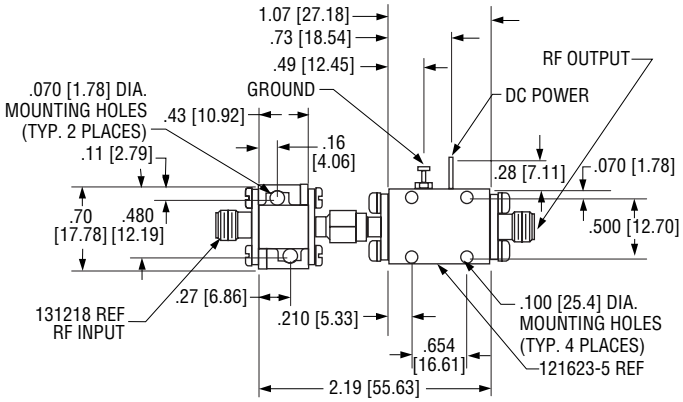
FUNDAMENTAL REJECTION VS. FREQUENCY

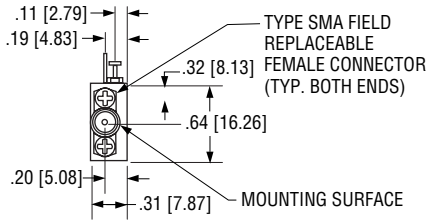


(P_{IN} = +10 dBm)



MAX2C





Notes:

1. Dimensions are in inches [millimeters]
   Tolerance as follows:
   .xx = ±0.01 [.xx = ±0.25]
   .xxx = ±0.005 [.xxx = ±0.13]

2. Optional SMA, K or V type male connectors in either input, output or both.