



AT-AM2-2040-20

Active Multiplier x2, 20-40GHz Pout=+20dBm

Active X2, 20-40GHz Broadband, High Power



Description:

AT-AM2-2040-20 is a broadband frequency doubler. The doubler has an input frequency of 10-20 GHz with a typical output +20dBm from 20-40GHz.

The integrated output buffers deliver high output power at a low drive level. The doubler also has a typical harmonic suppression. The input port is SMA female, and the output is 2.92mm Female. The module requires +13dBm input, if you need lower power input, please refer to AT-AM2-2040-20L with +5dBm input.

More information, please visit www.atmicrowave.com

Feature

- ✓ Frequency: 20-40GHz
- ✓ Pout: +20dBm typical
- ✓ Input: 10-20GHz
- ✓ Low Harmonics

Application

- ✓ 28/39GHz 5G Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Electronical Specifications:

Parameter	Min	Typical	Max
Input Frequency	10GHz		20GHz
Input Power	+10	+13dBm	+15
Multiplier Factor		X2	
Output Frequency	20GHz		40GHz
Output Power		+20dBm	
1 st /3 rd Harmonic Suppression		-20dBc	
Drain Voltage	+5.5V	+8V/200mA	+12V
Spec Temp		25C	





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Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	2.92mm Female
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	80g
Size:	30x30x14mm

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+13V
RF Input Power	+20dBm
Operating Temperature	-20 to +70C
Storage Temperature	-65 to +150C

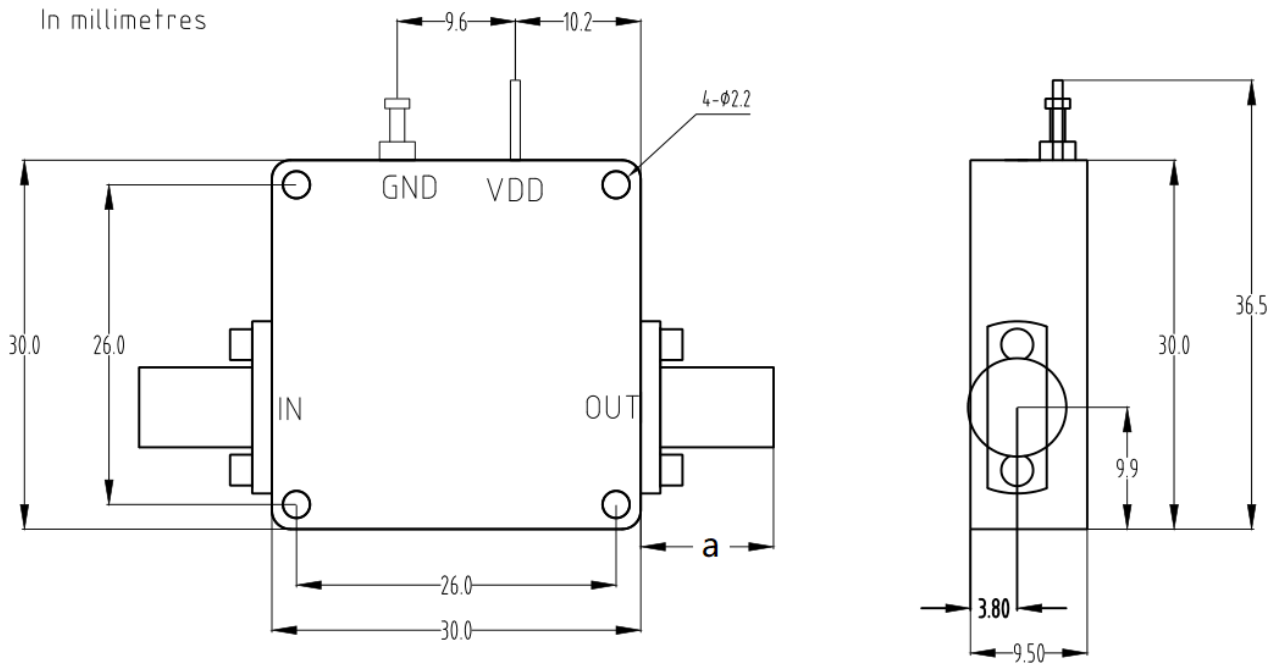
Note: -40 to 85C operating Temp range is available according to request.

Notes:

- ✓ Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
- ✓ This data is only for reference, not for guaranteed specifications.
- ✓ Please contact AT Microwave team to make sure you have the most current data.
- ✓ Always pay attention to the temperature of the case, heatsink and fan are required if case temperature exceeds over 50C.



Dimension: (Unit:mm)



	<26.5GHz	<40GHz	<50GHz	<67GHz
Connector	SMA	2.92mm	2.4mm	1.85mm
Length of a	9.4mm	9.5mm	10.8mm	11.3mm

Note: Female Default. Contact with us for other types.

Heat Sink Required If Case Temp Higher Than 50C

