

SPECIFICATION SHEET

Multiplier Unit DMUL-1



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1. General Description

Combined with DPL-6GHz, DMUL-1 can generate approximately $\pm 5\%$ of specified frequency from 6~12GHz. As DMUL-1 is the completely same dimensions with DPL-6GF, even though the two units can be stacked, they are still a smart compact sized signal generators generating frequency up to 12GHz.

2. The Format of Part Number

DMUL-1-□□□□GF

When placing an order, specify the frequency you desire and make a part number as follows.

Ex 1: In case specified frequency is 10.625GHz, part number is DMUL-1-10.625GF

Ex 2: In case specified frequency is 9GHz, part number is DMUL-1-9GF

3. Specification

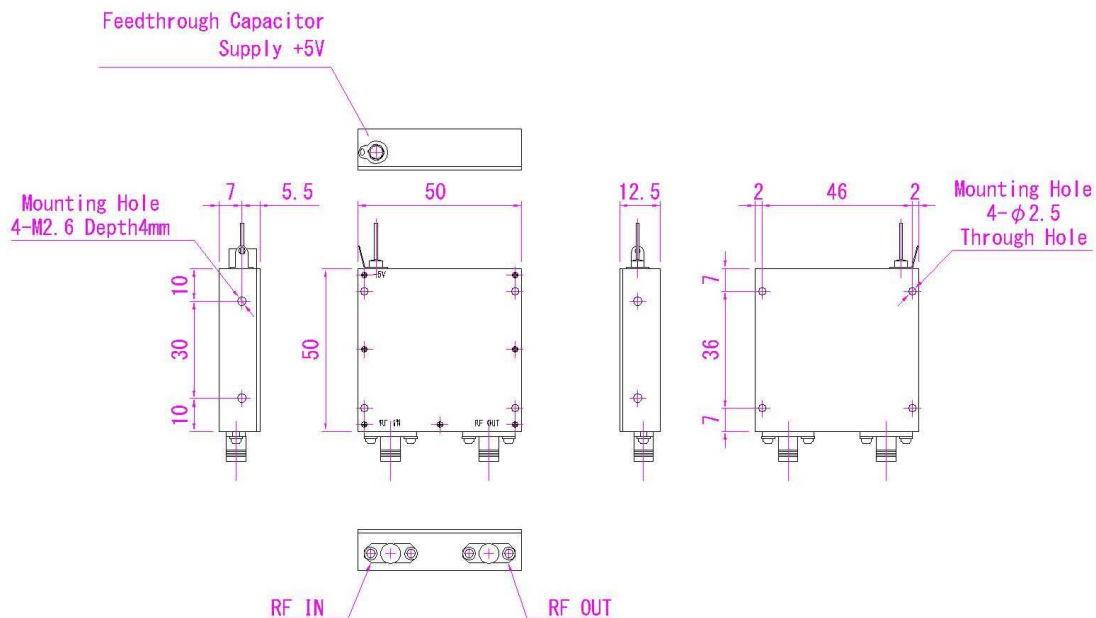
2-1. Electrical Specification

1) Input Frequency Range	3~6GHz
2) Input Level	+10dBm min
3) Input Impedance	50Ω
4) Input Connector	SMA-J
5) Output Frequency	Approx. $\pm 5\%$ of the specified frequency from 6GHz to 12GHz
6) Output Level	more than +10dBm
7) Output Impedance	50Ω
8) Output Connector	SMA-J
9) Multiple Ratio	2
10) Harmonic Spurious	less than -40dBc
11) 1/2Fo, 3/2Fo Spurious	less than -40dBc
12) Other Spurious	less than -65dBc
13) Power Supply/Current	+5V $\pm 5\%$ less than 150mA
14) Dimensions	50mmX50mmX12.5mm

2-2. Environmental Condition

1) Operating Temperature Range	0 ~ +50 degree C
2) Storage Temperature Range	-30 ~ +70 degree C

4. Outer Dimensions



5. Appearance combined with DPL-6GF



DMUL-1

DMUL-1 and DPL-6GF

6. Shipping Inspection

100% inspection shall be performed for the electrical specification in 3-1.

7. Warranty

If any defect is found due to the DST's improper production or design within one year after delivery, repair or replacement shall be performed under DST's responsibility. But DST assumed no liability for damages that may occur as a result of handling by users even though the warranty period.

8. Others

8-1. This product which employs a CMOS device may be easily damaged by static electricity.

8-2. Do not supply over voltage power supply. The module may be damaged. DST assumed no liability for damages that may occur as a result of handling by users even though the warranty period.

- Descriptions of this manual are subject to change without notice.
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- The contents of this manual do not apply to the warranty in executing an industrial property or other rights, not permission for the right of execution.
- DST assumed no responsibility for the third party's industrial property occurred from using the circuits described in this manual.

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