

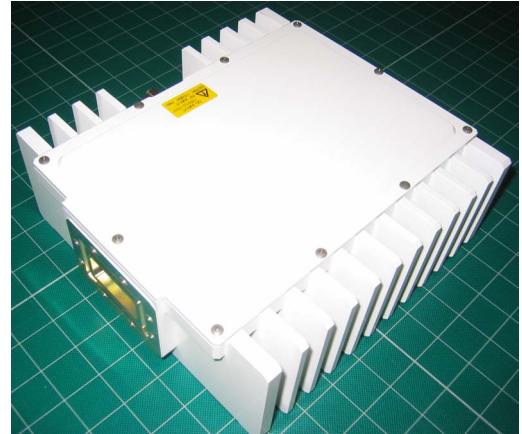
**New Product**

## C-band 2W Block Upconverter

**MODEL NO. NJT5667 / 67F**

## XC-band 2W Block Upconverter

**MODEL NO. NJT5668 / 68F**



### < Features >

- \* Small Size & Light Weight
- \* High Efficiency Output Power  
(2 W minimum @P1dB over temperature)
- \* Low Power Consumption

### <Line-Up>

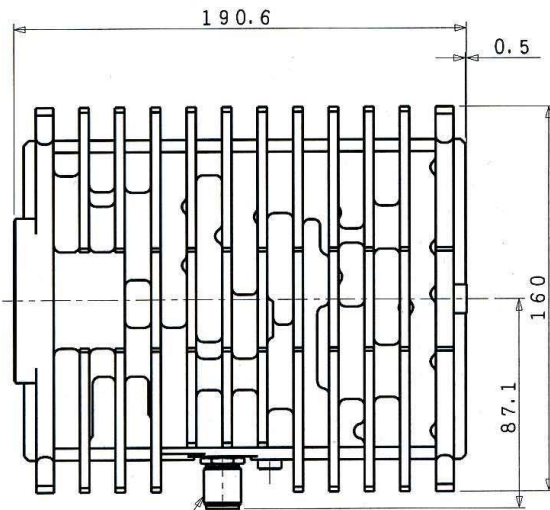
Model No.	RF Frequency	Local Frequency	IF Frequency	Output Power	Connector
NJT5667	5.850 to 6.425 GHz	4.90 GHz	950 to 1,525 MHz	2W Linear (+33 dBm min.)	N-Type
NJT5667F					F-Type
NJT5668	6.725 to 7.025 GHz	5.76 GHz	965 to 1,265 MHz		N-Type
NJT5668F					F-Type

### <Specifications>

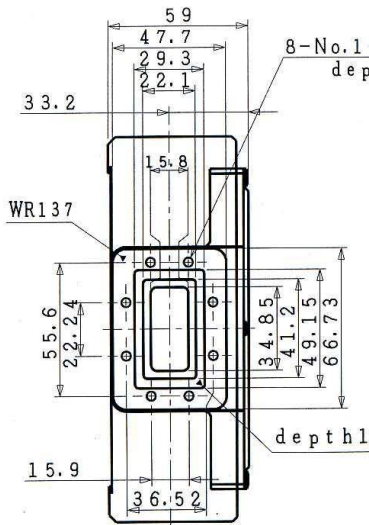
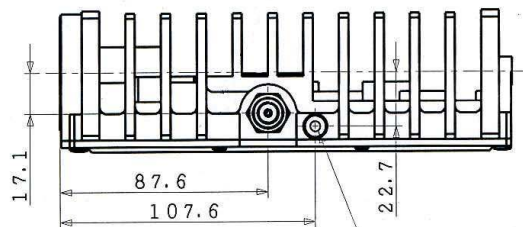
Item	Specifications
Output Interface	CPR 137-G (Grooved) with Flange
Output Power @ P1 dB	+33.0 dBm minimum over temperature
Conversion Gain	58 dB nom.
Phase Noise (SSB)	-60 dBc/Hz max. @ 100Hz -70 dBc/Hz max. @ 1kHz -80 dBc/Hz max. @ 10kHz -90 dBc/Hz max. @ 100kHz
Input Interface	N-type, female (50 ohm) [Model No. NJT5667 / NJT5668] F-type, female (75 ohm) [Model No. NJT5667F / NJT5668F]
Required External Reference Signal	Frequency : 10 MHz Input Power: -5 to +5 dBm Phase Noise: -135 dBc/Hz @ 100Hz -140 dBc/Hz @ 1kHz -143 dBc/Hz @ 10kHz -143 dBc/Hz @ 100kHz
Mute	Shut off the HPA in case of LO unlocked
Input / Output V.S.W.R.	2.0:1 max. @ Input 2.0:1 max. @ Output
Power Requirement	+15 to +30 V dc
Power Consumption	37.5 W max.
Operating Temperature	-40 to +55 degrees C
Storage Temperature	-40 to +75 degrees C
Size & Weight	190.6 mm (L) x 167.1 mm (W) x 59 mm (H), 2.54 kg max. [7.50" (L) x 6.58" (W) x 2.32" (H)] [5.6 lbs]

<Outline Drawing>

**PRELIMINARY**



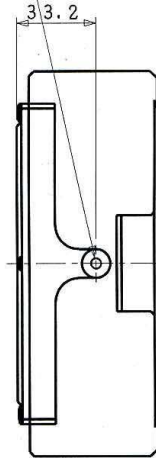
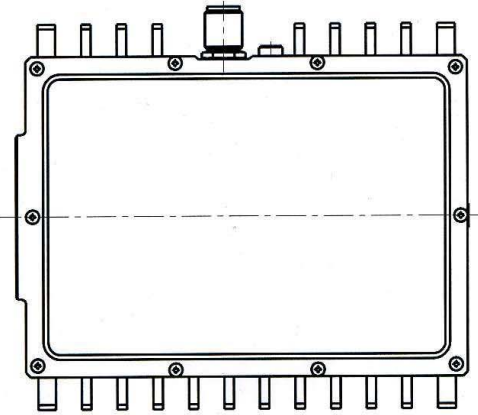
N-Female Connector  
5/8-24UNEF



8-No.10-32UNF  
depth 6

Grounded hole  
No.10-32UNF  
depth 6

No.10-32UNF  
depth 6



**JRC** *New Japan Radio Co., Ltd.*

Microwave Components Division  
1-1, Fukuoka 2-Chome, Kamifukuoka-City  
SAITAMA, 356-8510 JAPAN  
E-mail : mcsales@njr.co.jp  
Phone : +81-49-278-1270  
FAX : +81-49-278-1234  
<http://www.njr.co.jp>

Unit : mm