

Ku-band 4W BUC [Block Upconverter]

Model No. NJT5017 / NJT5017F

< Features >

- * Small Size & Light Weight
- * High Efficiency Output Power
(4W minimum @P1dB over temperature)
- * Low Power Consumption



<Line-Up>

Model No.	RF Frequency	Local Frequency	IF Frequency	Output Power	Connector
NJT5017	14.0 to 14.5 GHz	13.05 GHz	950 to 1,450 MHz	4W Linear (+36 dBm min.)	N-Type
NJT5017F					F-Type

< Specifications >

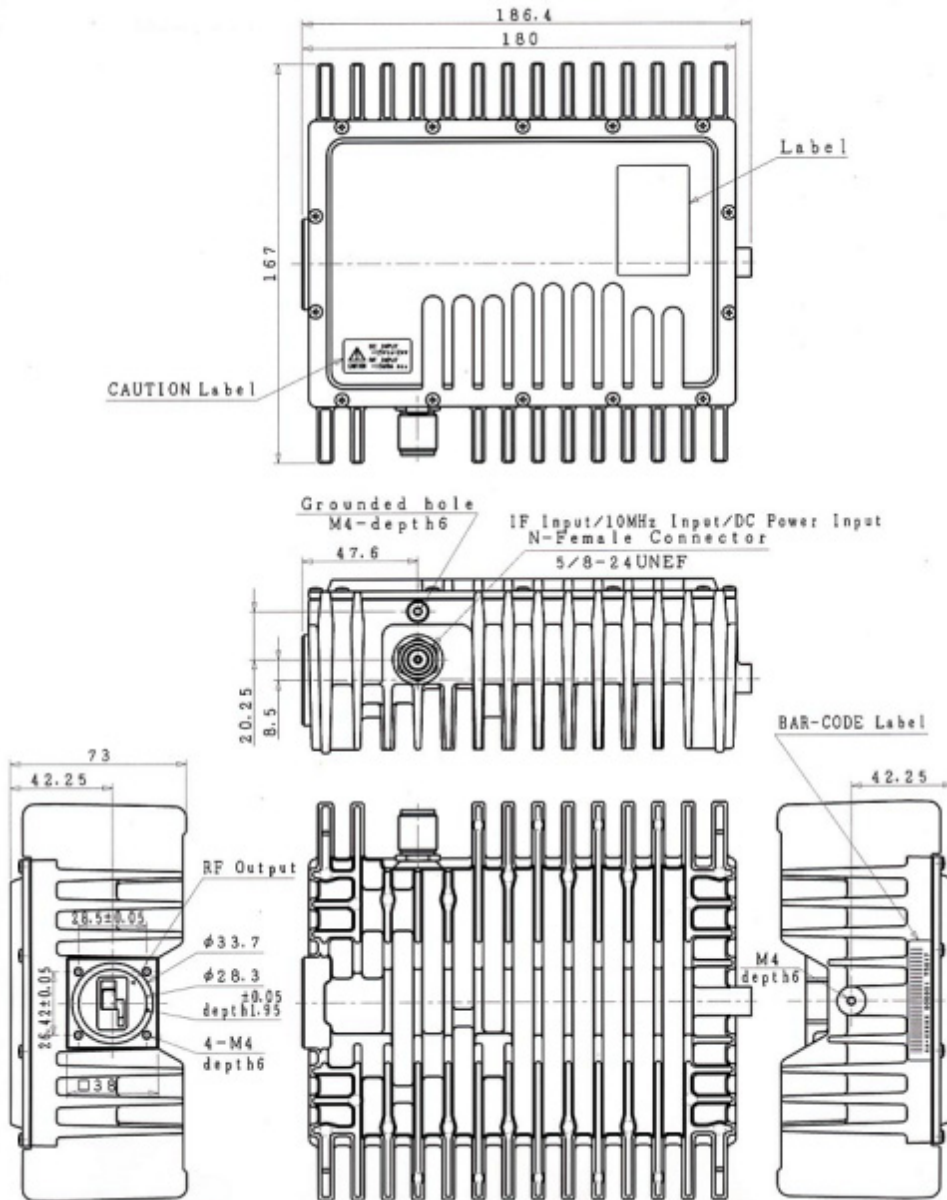
Item	Specifications
Output Interface	Waveguide, WR-75
Output Power @ 1dB G.C.P.	+36 dBm minimum over temperature
Linear Gain	56 dB min.
Requirement for External Reference	[Frequency] [Input Power] [Phase Noise]
	10 MHz (sine-wave) -5 to +5 dBm @ Input port -125 dBc/Hz max. @ 100 Hz -135 dBc/Hz max. @ 1 kHz -140 dBc/Hz max. @ 10 kHz
L.O. Phase Noise	-60 dBc/Hz max. @ 100 Hz -70 dBc/Hz max. @ 1 kHz -80 dBc/Hz max. @ 10 kHz -90 dBc/Hz max. @ 100 kHz
Input V.S.W.R.	2 : 1 max
Output V.S.W.R.	2 : 1 max.
DC Power Requirement	+15 to +24 VDC 48 W max.
Mute	Shut off the HPA in case of L.O. unlocked
Input Interface	N-type, female (50 ohms) [Model No. NJT5017] F-type, female (75 ohms) [Model No. NJT5017F]
Temperature Range (ambient)	-40 to +55 C (operating) -40 to +75 C (storage)
Dimension & Housing	180mm (L) x 167mm (W) x 73 mm (H) max.
Weight	2.3 kg max.

These specifications are subject to change without notice for improvement.



<Outline Drawing>

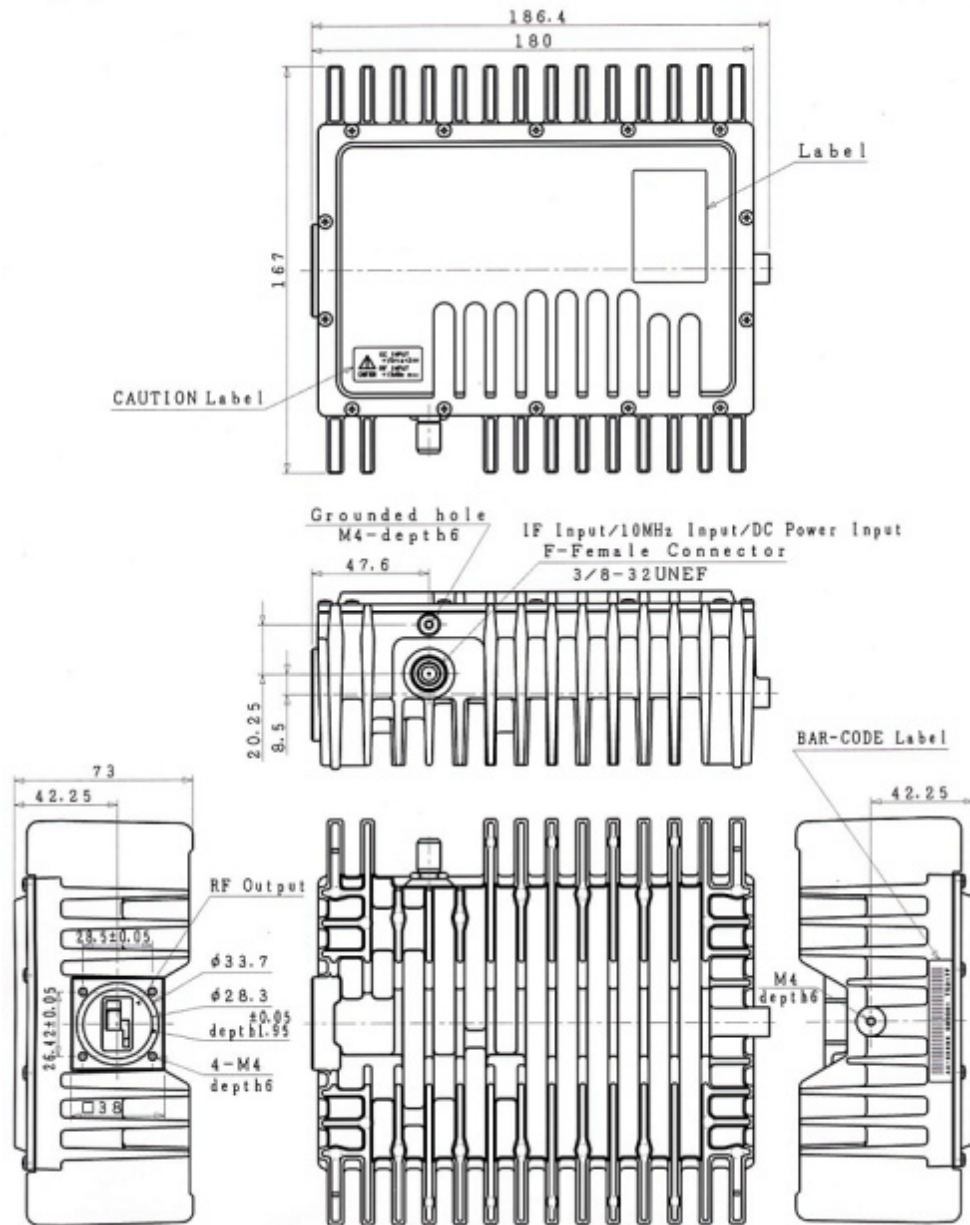
Type 1 (N-type Female Input Connector) : Model No. NJT5017



Unit : mm



Type 2 (F-type Female Input Connector) : Model No. NJT5017F



 **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