

New Product



## Extended Ku-band 4W BUC [ Block Upconverter ]

**Model No. NJT5077 / NJT5077F**

### < 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
NJT5077	13.75 to 14.25 GHz	12.80 GHz	950 to 1,450 MHz	4W Linear (+36 dBm min.)	N-Type
NJT5077F					F-Type

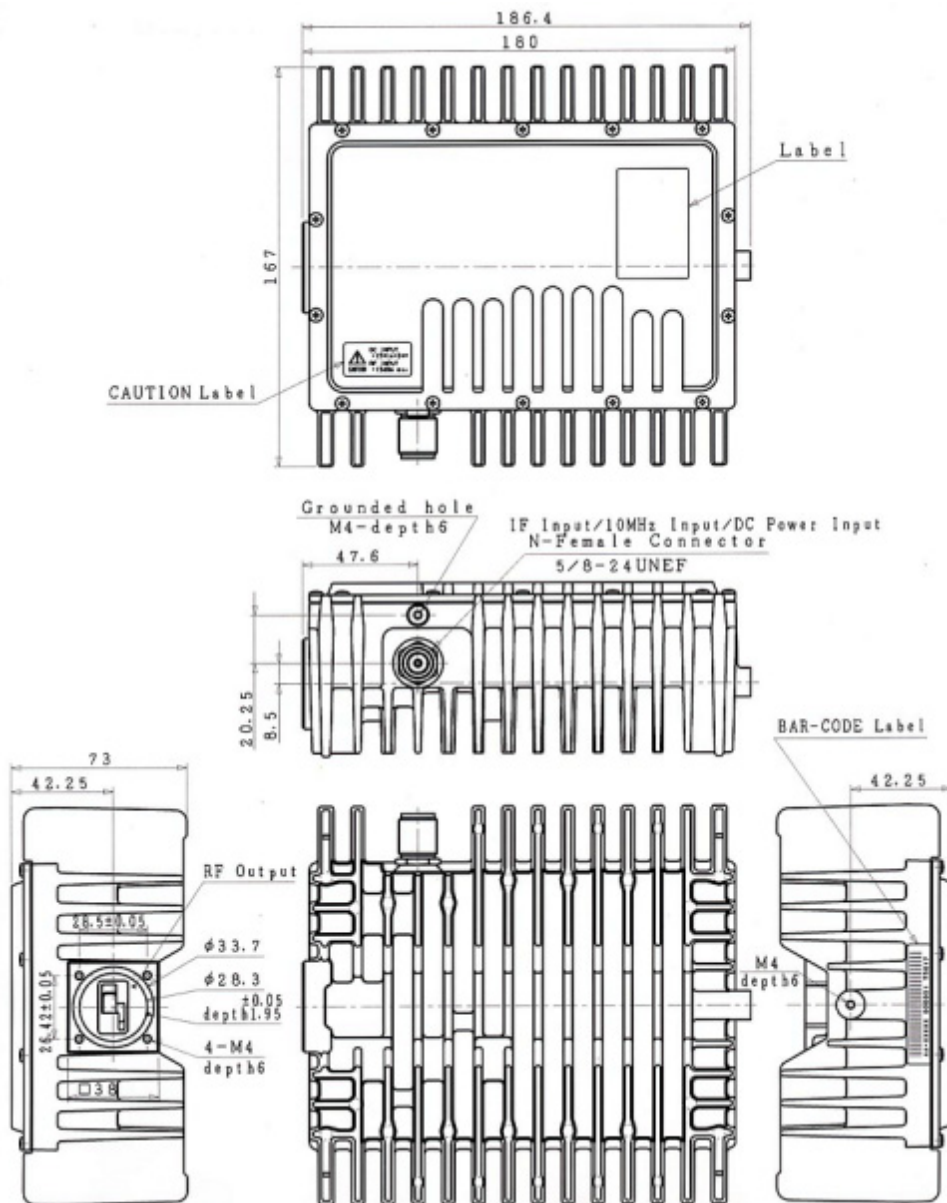
### < Specifications >

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] 10 MHz (sine-wave) [Input Power] -5 to +5 dBm @ Input port [Phase Noise] -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. NJT5077] F-type, female (75 ohms) [Model No. NJT5077F]
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>

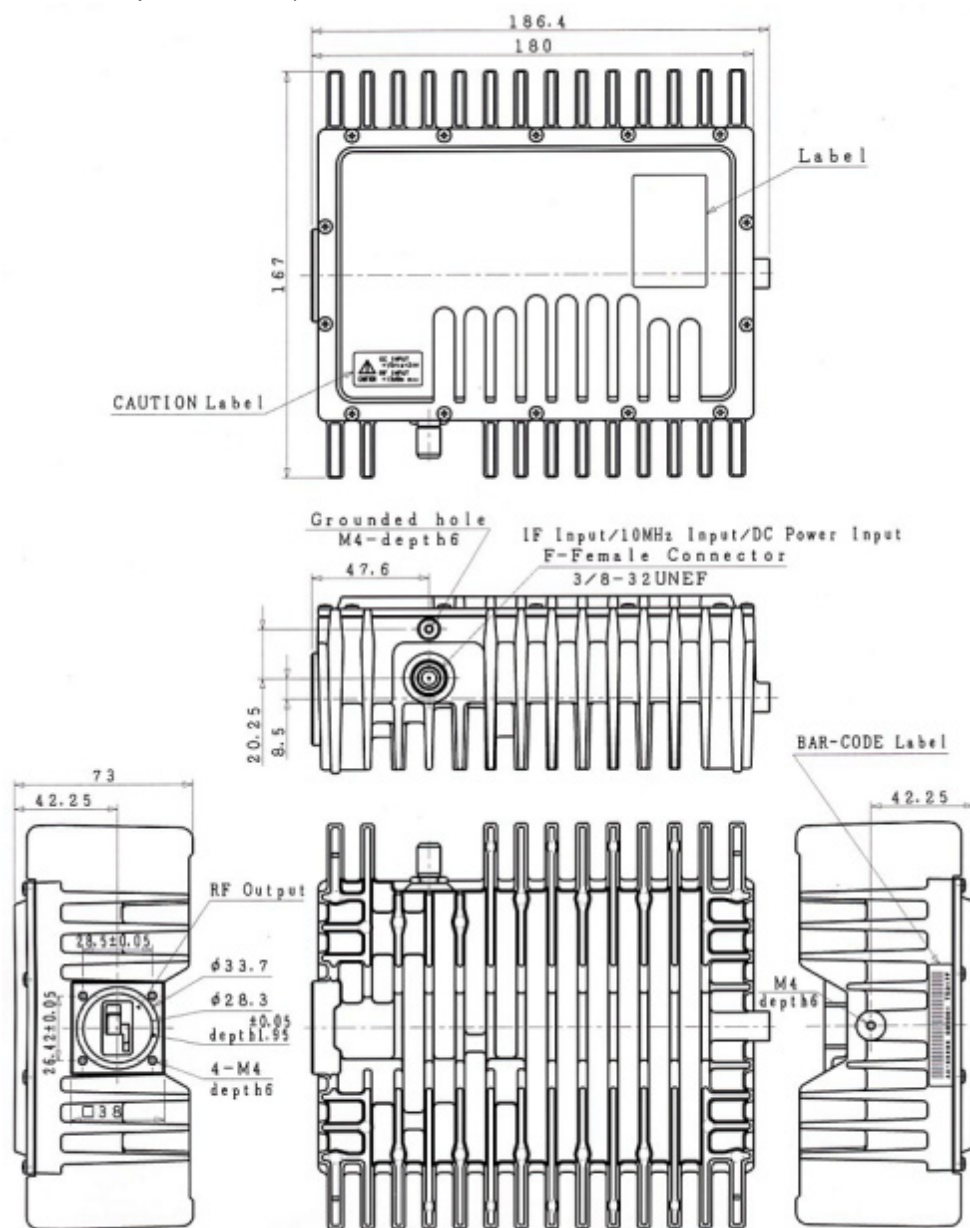
Type 1 (N-type Female Input Connector) : Model No. NJT5077



Unit : mm



Type 2 (F-type Female Input Connector) : Model No. NJT5077F



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Unit : mm