



C-band 5W BUC [Block Upconverter]

MODEL NO. NJT5656 / 56F

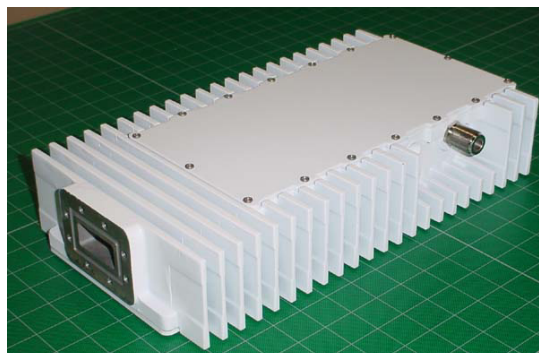
XC-band 5W BUC [Block Upconverter]

MODEL NO. NJT5661 / 61F

<Description>

This unit is the fixed gain transmitter incorporating a low phase noise Phase Locked Local Oscillator and a high reliable High Power Amplifier, and converts L Band (950 to 1,525 MHz or 960 to 1,265 MHz) IF Input to C Band (5.850 to 6.425 GHz) and XC Band (6.725 to 7.025 GHz) RF Output.

This outdoor RF unit transmitter can be used for DAMA, Two-way data and Rural Telephony systems.



<Line-Up>

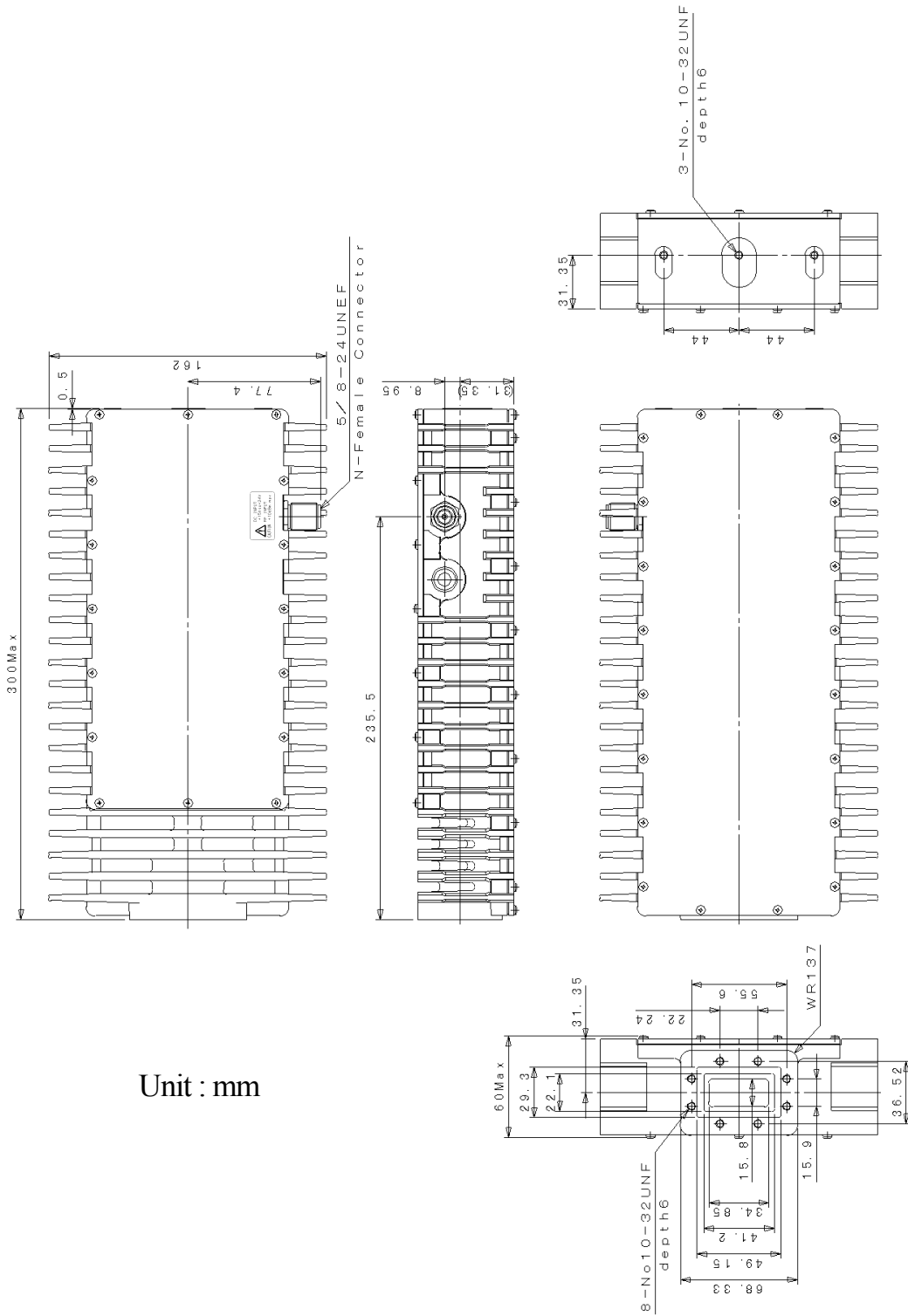
Model No.	RF Frequency	Local Frequency	IF Frequency	Output Power	Connector
NJT5656	5.850 to 6.425 GHz	4.90 GHz	950 to 1,525 MHz	5W Linear (+37 dBm min.)	N-Type
MJT5656F					F-Type
NJT5661	6.725 to 7.025 GHz	5.76 GHz	965 to 1,265 MHz		N-Type
NJT5661F					F-Type

<Specifications>

Item	Specifications
Output Interface	CPR 137-G (Grooved) with Flange
Output Power @ P1 dB	+37.0 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. NJT5656 / NJT5661] F-type, female (75 ohm) [Model No. NJT5656F / NJT5661F]
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 +24 V dc
Power Consumption	55 W max.
Operating Temperature	-40 to +55 degrees C
Storage Temperature	-40 to +75 degrees C
Size & Weight	300 mm (L) x 162 mm (W) x 60 mm (H), 5 kg max.

<Outline Drawing>

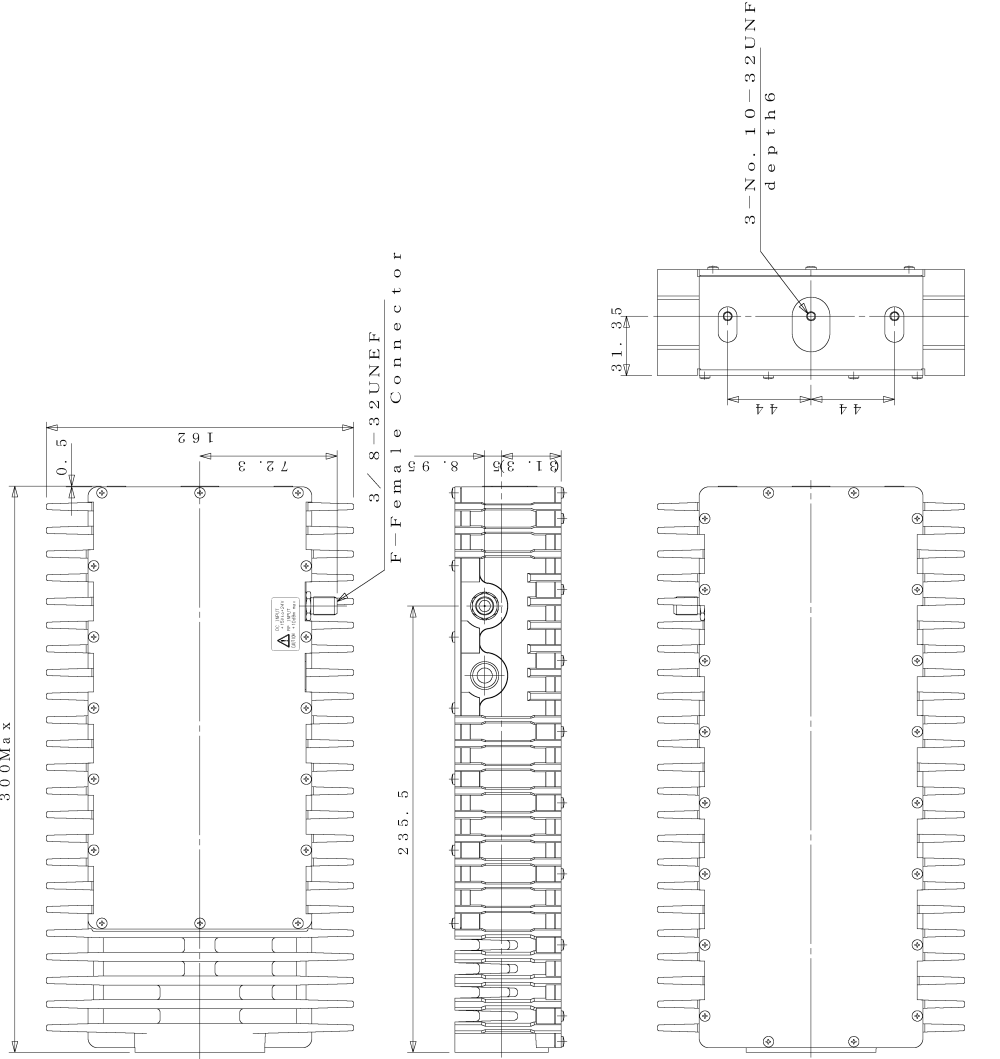
Type 1 (N-type Female Input Connector) : Model No. NJT5656 / NJT5661



Unit : mm



Type 2 (F-type Female Input Connector) : Model No. NJT5656F / NJT5661F



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Unit : mm