

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

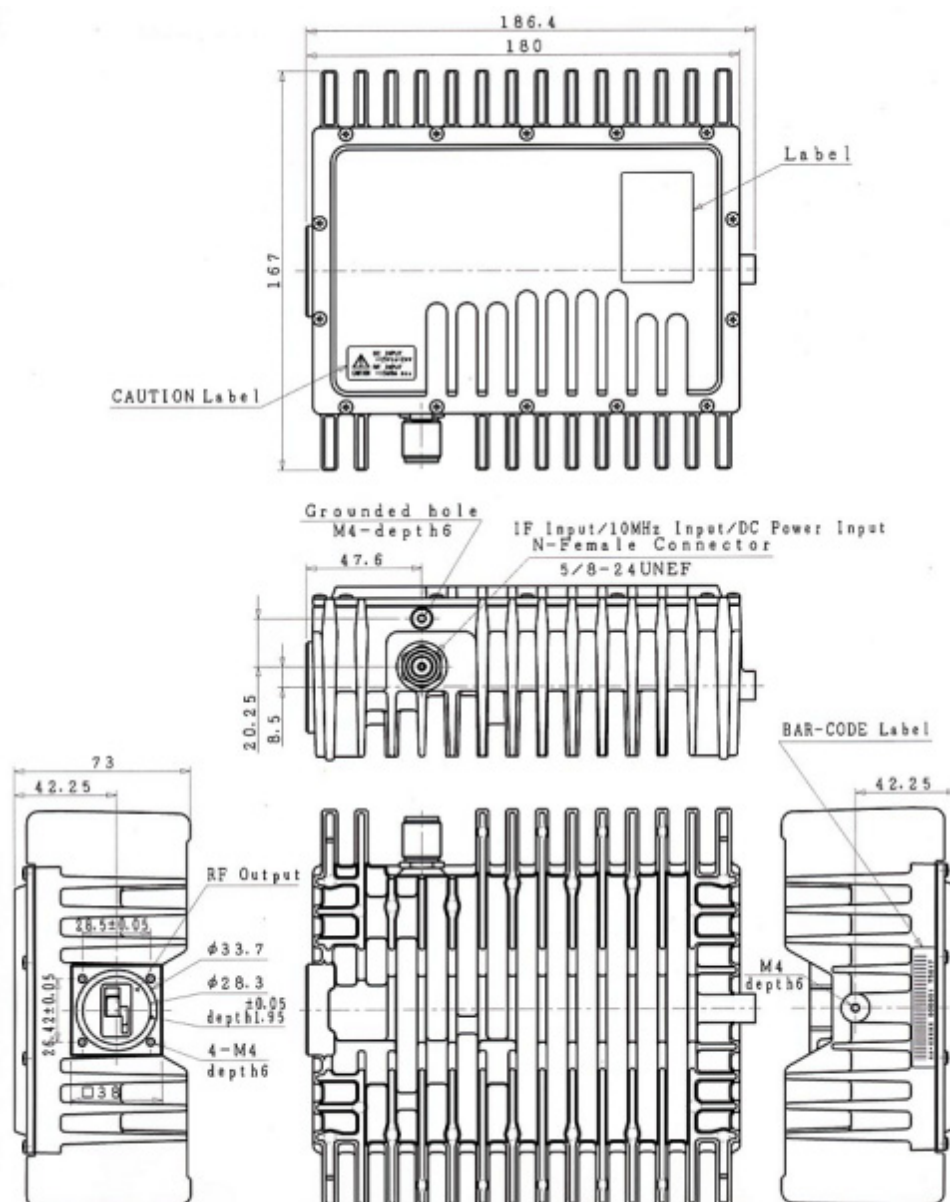
< Specifications >

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]	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
L.O. Phase Noise		-140 dBc/Hz max. @ 10 kHz
		-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

