

Ku-band 4W Block Upconverter

MODEL No. NJT5017 / 17F

MODEL No. NJT5017L / 17FL



< Features >

- * Small Size & Light Weight
- * High Efficiency Output Power
(4W minimum @P1dB over temperature)
- * Low Power Consumption
- * LED Indicator * only NJT5017L/17FL
- * RoHS Compliance

< Line-Up >

Model No.	RF Frequency	Local Frequency	IF Frequency	Output Power	Connector	LED
NJT5017	14.0 to 14.5 GHz	13.05 GHz	950 to 1,450 MHz	4W Linear (+36 dBm min.)	N-Type	N/A
NJT5017F					F-Type	
NJT5017L					N-Type	Available
NJT5017FL					F-Type	

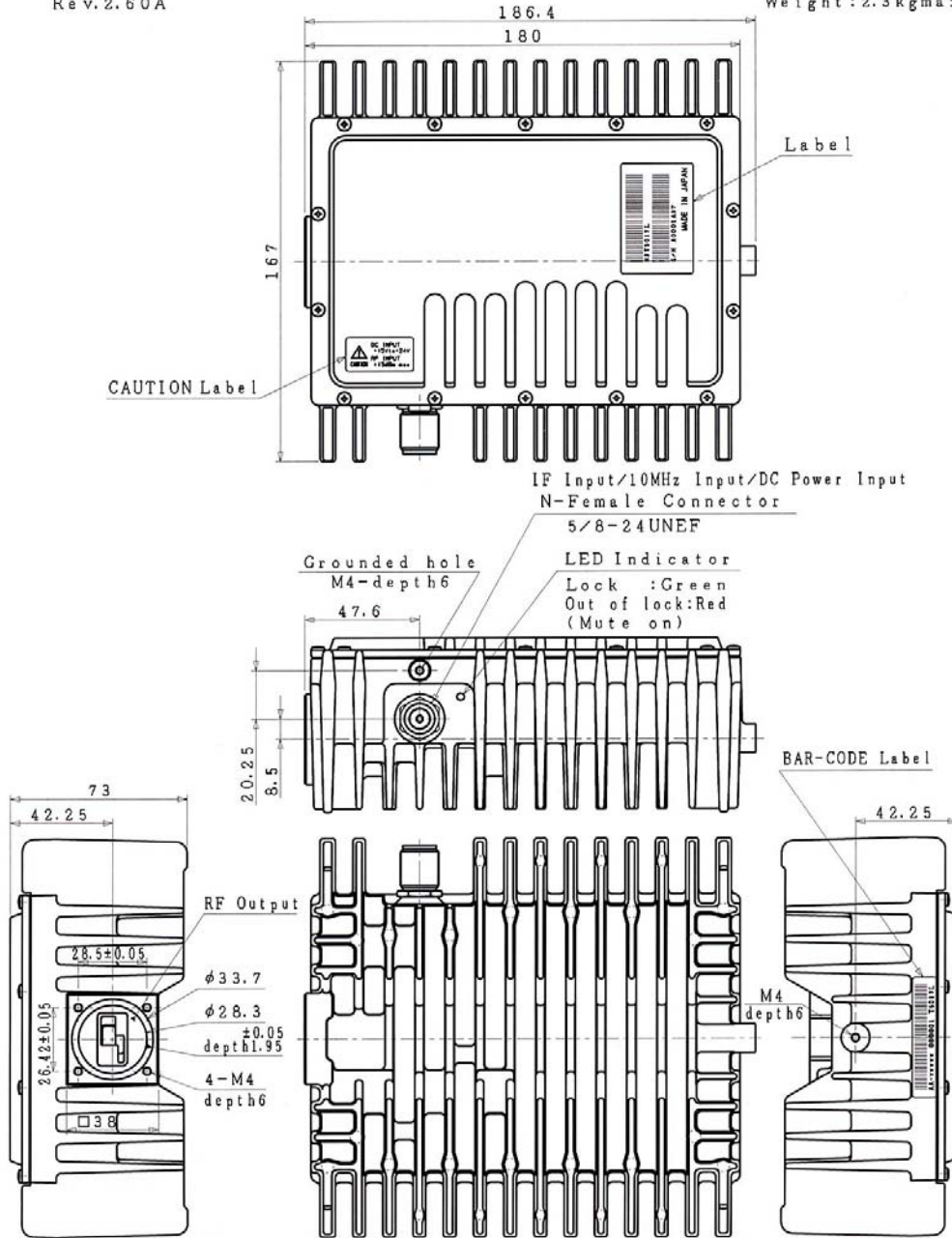
< Specifications >

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 50 W max.
Mute	Shut off the HPA in case of L.O. unlocked
Input Interface	N-type, female (50 ohms) [Model No. NJT5017/17L] F-type, female (75 ohms) [Model No. NJT5017F/17FL]
Temperature Range (ambient)	-40 to +55 C (operating) -40 to +75 C (storage)
Dimension & Housing	186.4mm (L) x 167mm (W) x 73 mm (H) max. [7.33" (L) x 6.57" (W) x 2.87" (H)]
Weight	2.3 kg max. [5.1 lbs]
LED Indicator (* only NJT5017L/17FL)	Green: LO locked RED: LO unlocked (or no 10MHz reference signal)

<Outline Drawing>

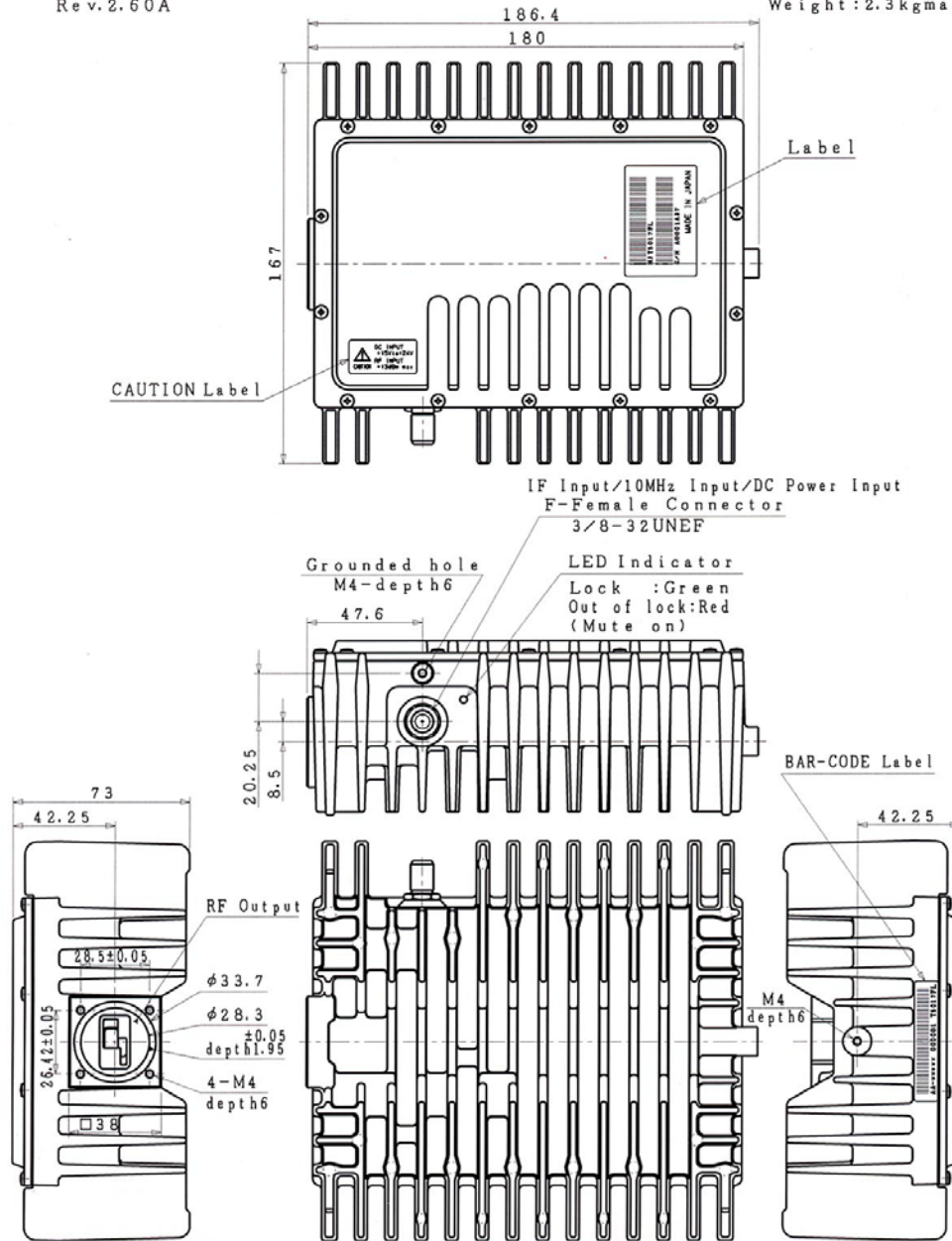
Model: NJT5017L
 Ku Band 4W
 Transmitter
 (Die Casting Housing)
 Rev.2.60A

Unit : mm
 Tolerance : ±0.5
 Weight : 2.3kgmax



Model: NJT5017FL
 Ku Band 4W
 Transmitter
 (Die Casting Housing)
 Rev.2.60A

Unit : mm
 Tolerance:±0.5
 Weight:2.3kgmax



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