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■ Ku-band 6W BUC

MODEL No. **NJT5127** series

< Features >



* High Efficiency & Low Distortion

- ·P1dB: +37.8 dBm min. over temperature
- ·Power Consumption: 63 W
- ·ACPR: -26 dBc max. @ Pout = +37.8 dBm

* Small Size & Light Weight

- ·Weight: 2.4 kg

* LED Indicator (only NJT5127L/27FL)

* RoHS Compliance

< Line-Up >

Model No.	RF Frequency	Local Frequency	IF Frequency	Output Power @ P1dB	IF Connector	Power Supply	LED Indicator
NJT5127	14.0 to 14.5 GHz (Standard Ku-band)	13.05 GHz	950 to 1,450 MHz	6W Linear (+37.8 dBm min.)	N-type	+24 VDC (+15 to +24 VDC)	-
NJT5127F					F-type		
NJT5127L					N-type		Equipped
NJT5127FL					F-type		

< Specifications >

Item	Specifications	
Output Interface	Waveguide, WR75 (with Groove)	
Input Interface	N-type, female (50 ohm) [Model No.: NJT5127/27L]	
	F-type, female (75 ohm) [Model No.: NJT5127F/27FL]	
Output Power @ 1 dB G.C.P.	+37.8 dBm min. over temperature	
Linear Gain	56 dB nom.	
ACPR Compliance with IESS308 / SSOG	-26 dBc max. @ Pout = +37.8 dBm	
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	
Receive Band Noise Density	-156 dBm/Hz max. @10.95 to 12.75 GHz	
Input V.S.W.R.	2.0 : 1 max.	
Output V.S.W.R.	2.0 : 1 max.	
Power Requirement	+24 VDC (+15 to +24 VDC)	
Power Consumption	63 W max.	
Mute	Shut off the HPA in case of L.O. unlocked or no 10 MHz reference signal.	
LED Indicator	GREEN: L.O. locked / RED: L.O. unlocked or no 10 MHz reference signal [Model No.: NJT5127L/27FL]	
Temperature Range (ambient)	-40 to +55 C (operating), -40 to +75 C (storage)	
Dimension & Housing	186.4 mm (L) x 167 mm (W) x 83 mm (H)	
(without Interface Connectors)	[7.33" (L) x 6.57" (W) x 3.27" (H)]	
Weight	2.4 kg [5.3 lbs]	

Note: The contents of this sheet are subject to change without notice.

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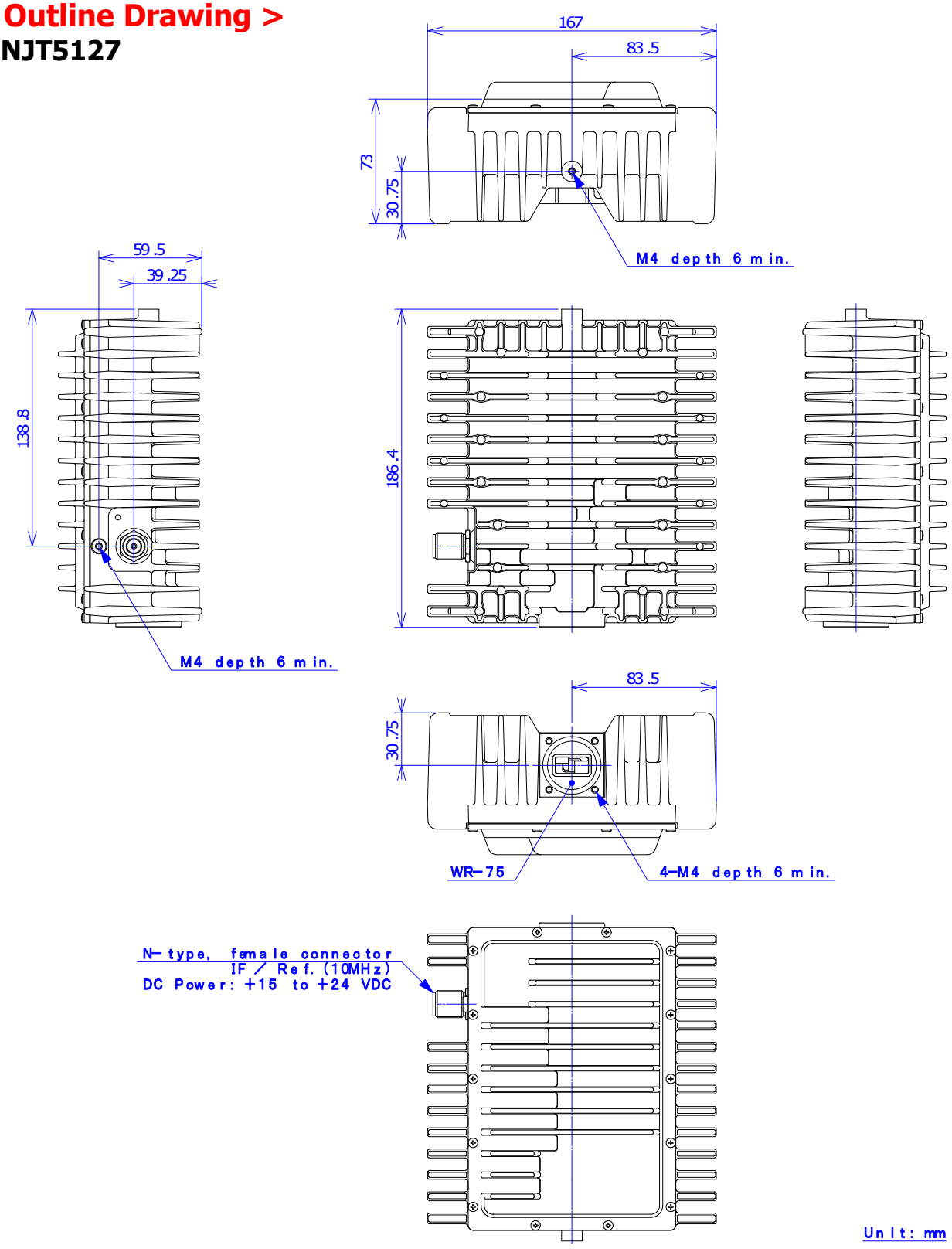
Request A Quote

■ Ku-band 6W BUC

MODEL No. **NJT5127** series

< Outline Drawing >

NJT5127



Unit: mm

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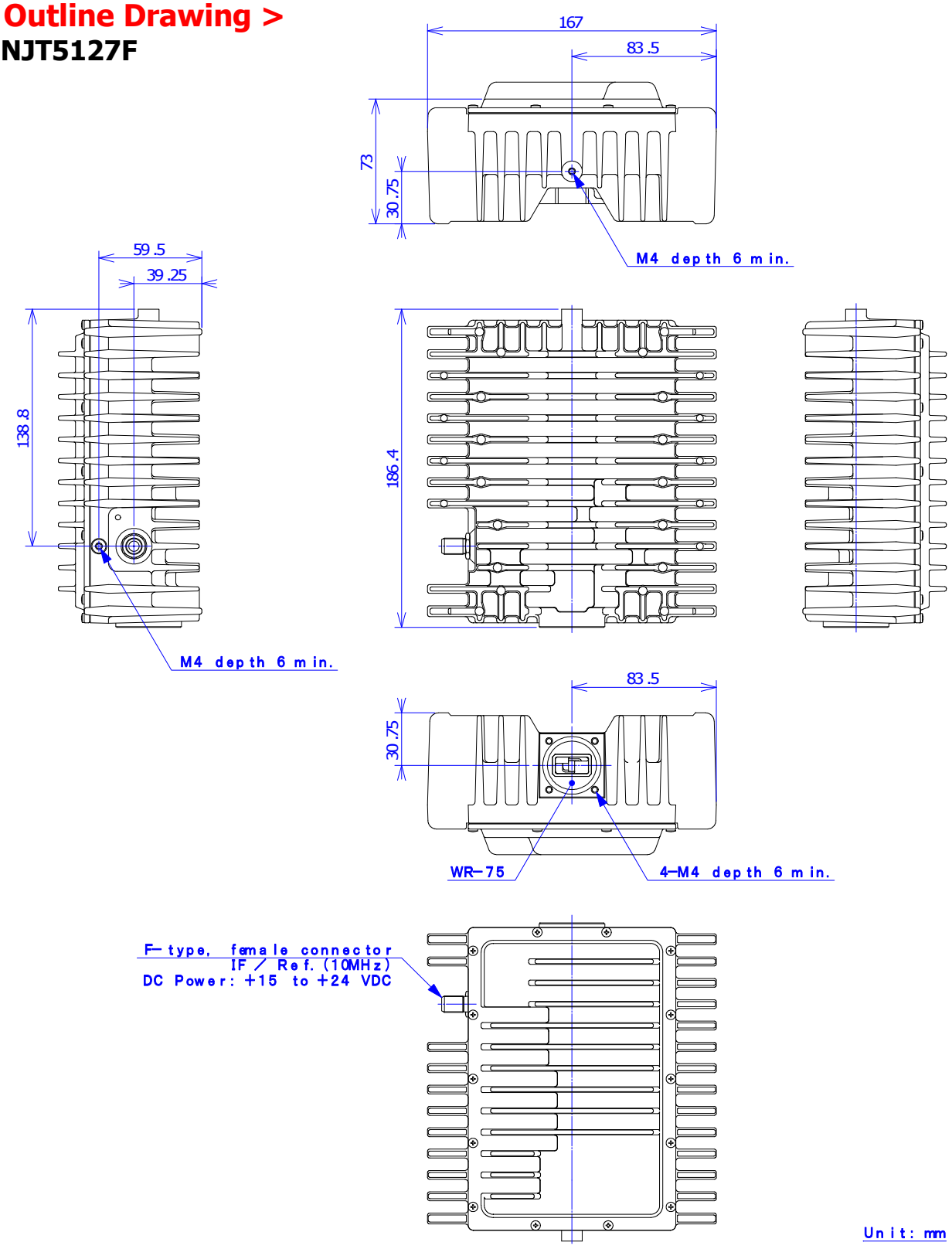
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■ Ku-band 6W BUC

MODEL No. **NJT5127** series

< Outline Drawing >

NJT5127F



Unit: mm

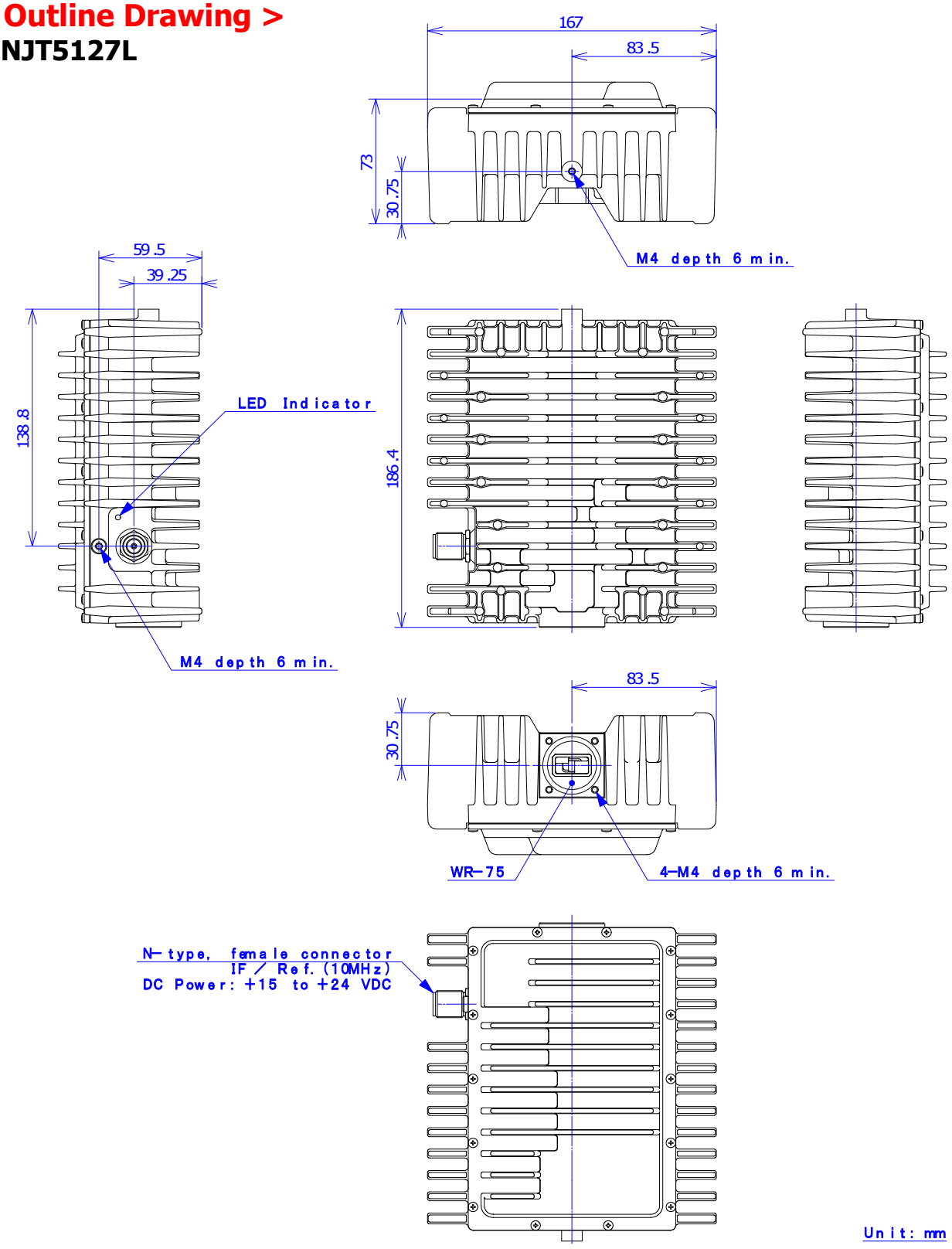
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■ Ku-band 6W BUC

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NJT5127L



Unit: mm

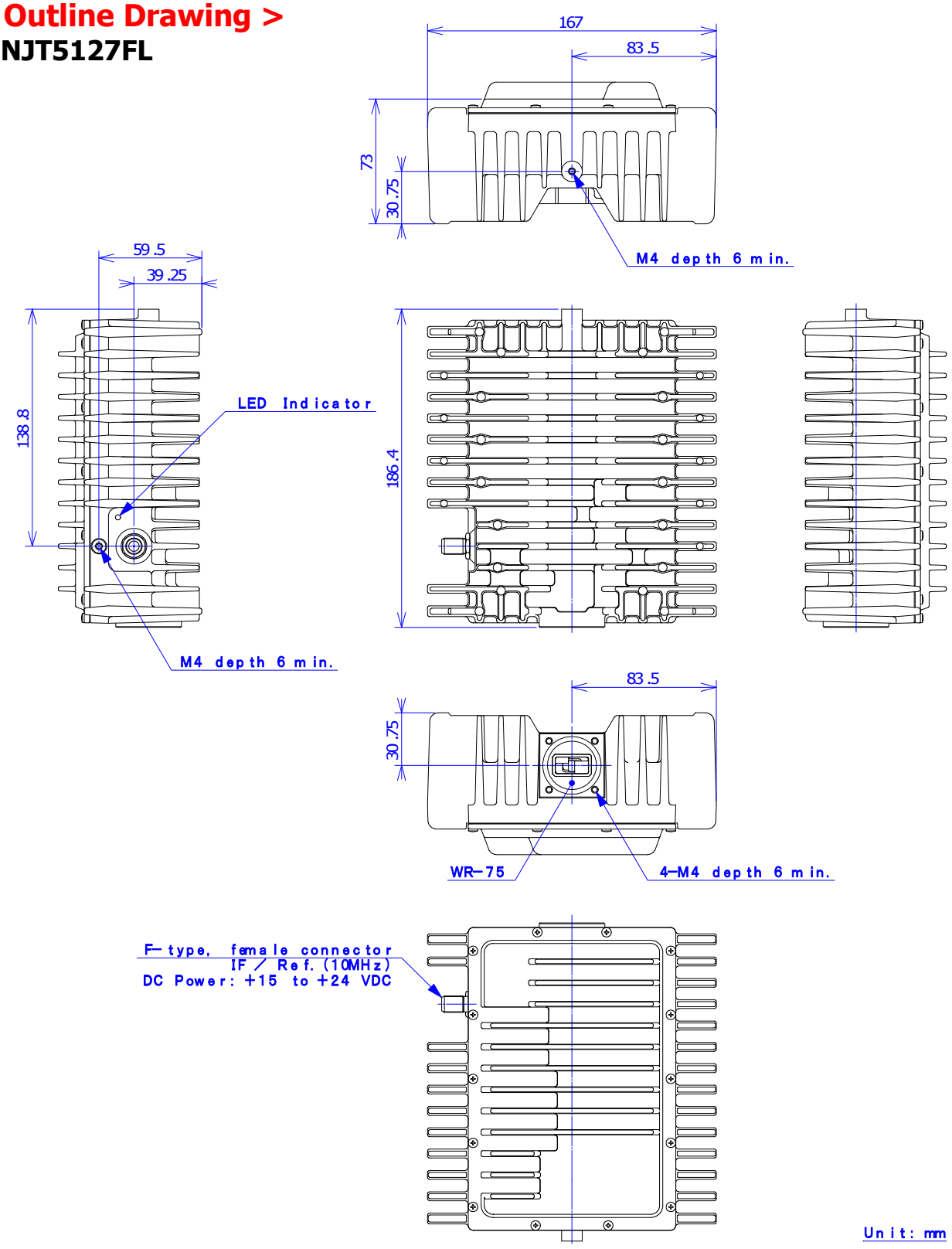
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■ Ku-band 6W BUC

MODEL No. **NJT5127** series

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NJT5127FL



Unit: mm

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