

# X-Band 6W Block Up Converters



## Applications

- High power BUCs for VSAT
- SatCom Applications

## Features

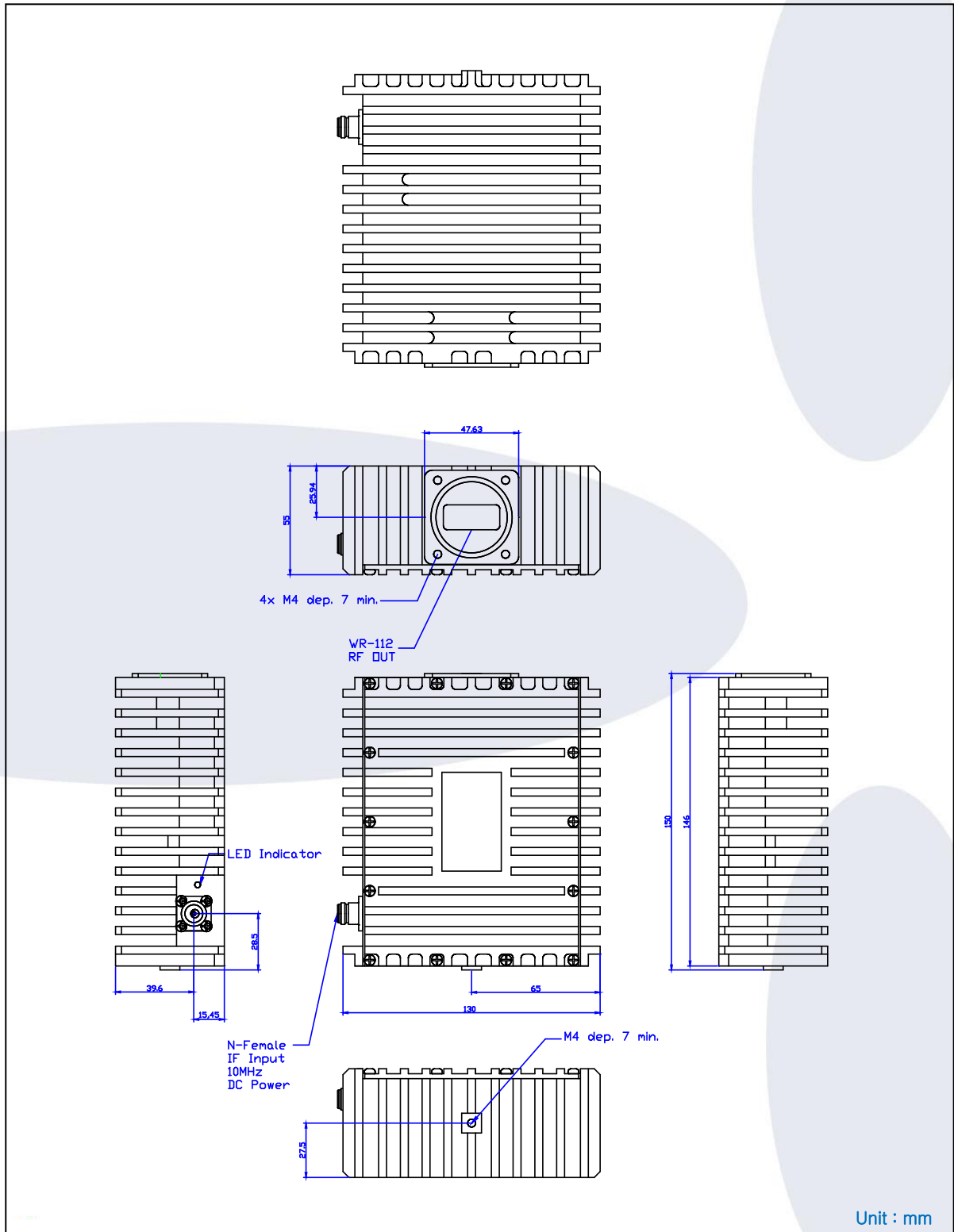
- 37.8dBm min. Output Power
- Based on GaN Technology
- Very Low Power Consumption (45W max.)
- Small Size & Light Weight
- Wide DC Input Range 18~60VDC (Optional)
- Internal Reference / M&C Function (Optional)

Model	GMU079084B01
RF Frequency	7.9~8.4GHz
IF Frequency	950~1450MHz
LO Frequency	6.95GHz
Saturated Output Power	37.8dBm min.
Gain	60dB min.
Gain Variation over Frequency	2 dBp-p max. @ any 54 MHz 4 dBp-p max. @ over full bandwidth
Gain Variation over Temperature	4 dBp-p max.
IMD3	-26dBc max. @total power $\leq$ 34.8dBm
Spurious	
In Band	-60 dBc
Out of Band	-50 dBc
Input VSWR	2 : 1 max.
Output Load VSWR	2 : 1 max.
Phase Noise	-66 dBc/Hz @ 100Hz
	-76 dBc/Hz @ 1KHz
	-86 dBc/Hz @ 10KHz
	-96 dBc/Hz @ 100KHz
	-106 dBc/Hz @ 1MHz
DC Power	18~36VDC, 40W typ. / 45W max.
Functions	Shut off Output Power in case of LO unlocked
LED Indicator	Green : LO Locked
	Red : LO Unlocked
Dimension (DC model)	150x130x55 mm max.
Weight	1.5kg max.
Temperature Range	Operation : -40°C to +55°C
	Storage : -40°C to +75°C

The specification subject to change without notice.

# X-Band 6W Block Up Converters

## Mechanical Outline



The specification subject to change without notice.

# X-Band 15W Block Up Converters



## Applications

- High power BUCs for VSAT
- SatCom Applications

## Features

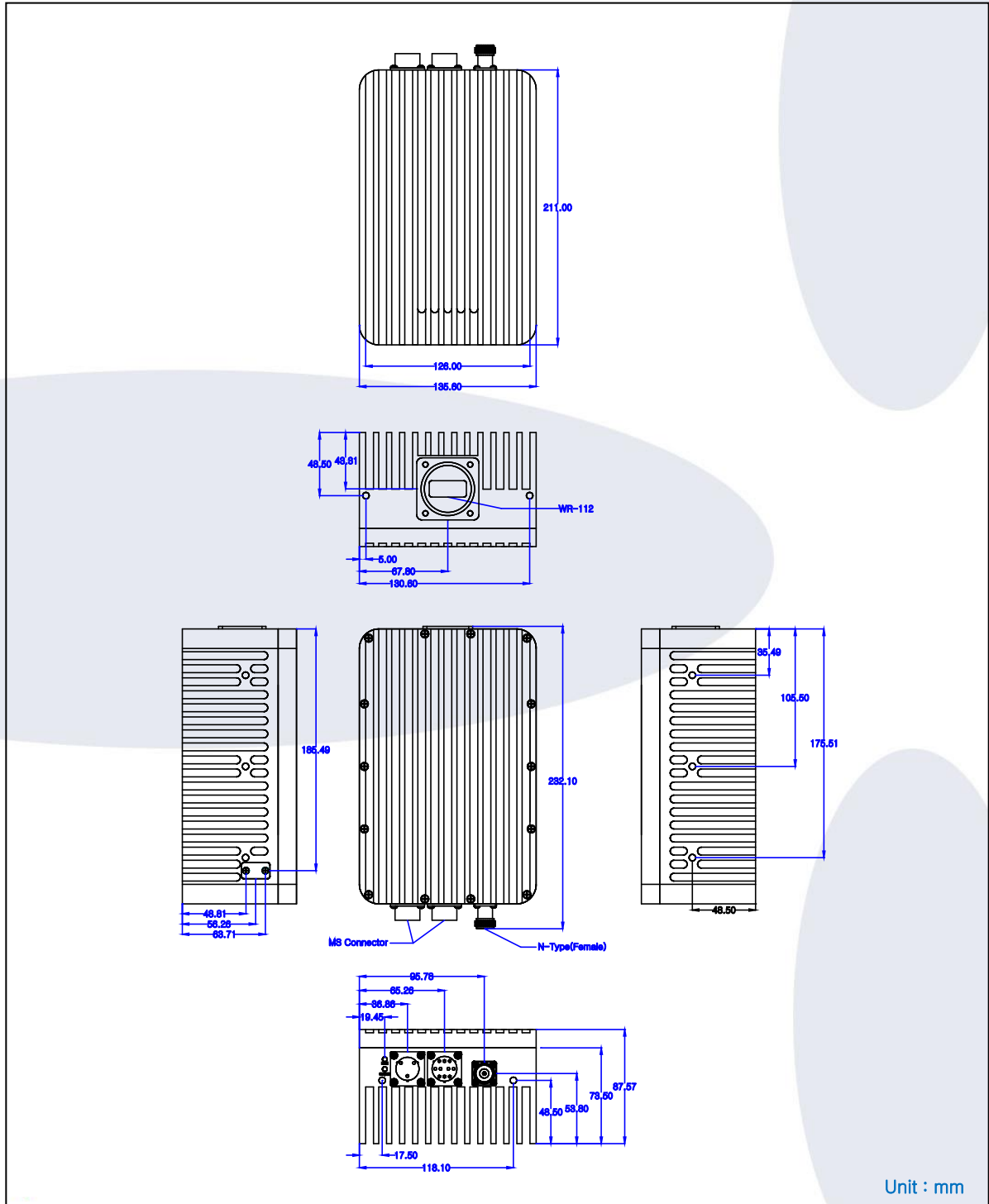
- 41.8dBm min. Output Power
- Based on GaN Technology
- Very Low Power Consumption
- Small Size & Light Weight
- DC Input Range 36~70VDC (Optional)
- Internal Reference / M&C Function (Optional)

Model	GMU079084B01-15W
RF Frequency	7.9 ~ 8.4GHz
IF Frequency	950~1450MHz
LO Frequency	6.95GHz
Saturated Output Power (min)	41.8dBm
Gain (min)	65dB
Gain Variation over Frequency	2 dBp-p max. @ any 54 MHz 4 dBp-p max. @ over full bandwidth
Gain Variation over Temperature	4 dBp-p max.
IMD3	-26dBc max. @3dB total power back off from rated output power
Spurious	
In Band	-60 dBc
Out of Band	-50 dBc
Input VSWR	2:1 max.
Output Load VSWR	2 :1 max.
Phase Noise	-66 dBc/Hz @ 100Hz
	-76 dBc/Hz @ 1KHz
	-86 dBc/Hz @ 10KHz
	-96 dBc/Hz @ 100KHz
	-106 dBc/Hz @ 1MHz
DC Power	+36~+70VDC
Power Consumption(max)	120W
M&C (Optional)	Monitor : Output power, Lock Status, Temperature
	Control : Attenuator, Mute, LO selection
	Interface : RS-232/RS-422
Dimension (DC model)	233 x 140 x 88 mm
Weight	3.5kg max.
Temperature Range	Operation : -40 to +55°C
	Storage : -40°C to +75°C

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# X-Band 15W Block Up Converters

## Mechanical Outline (GMU137145Bxx)



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