

Ku-Band 40W Block Up Converters



Applications

- High power BUCs for VSAT
- SatCom Applications

Features

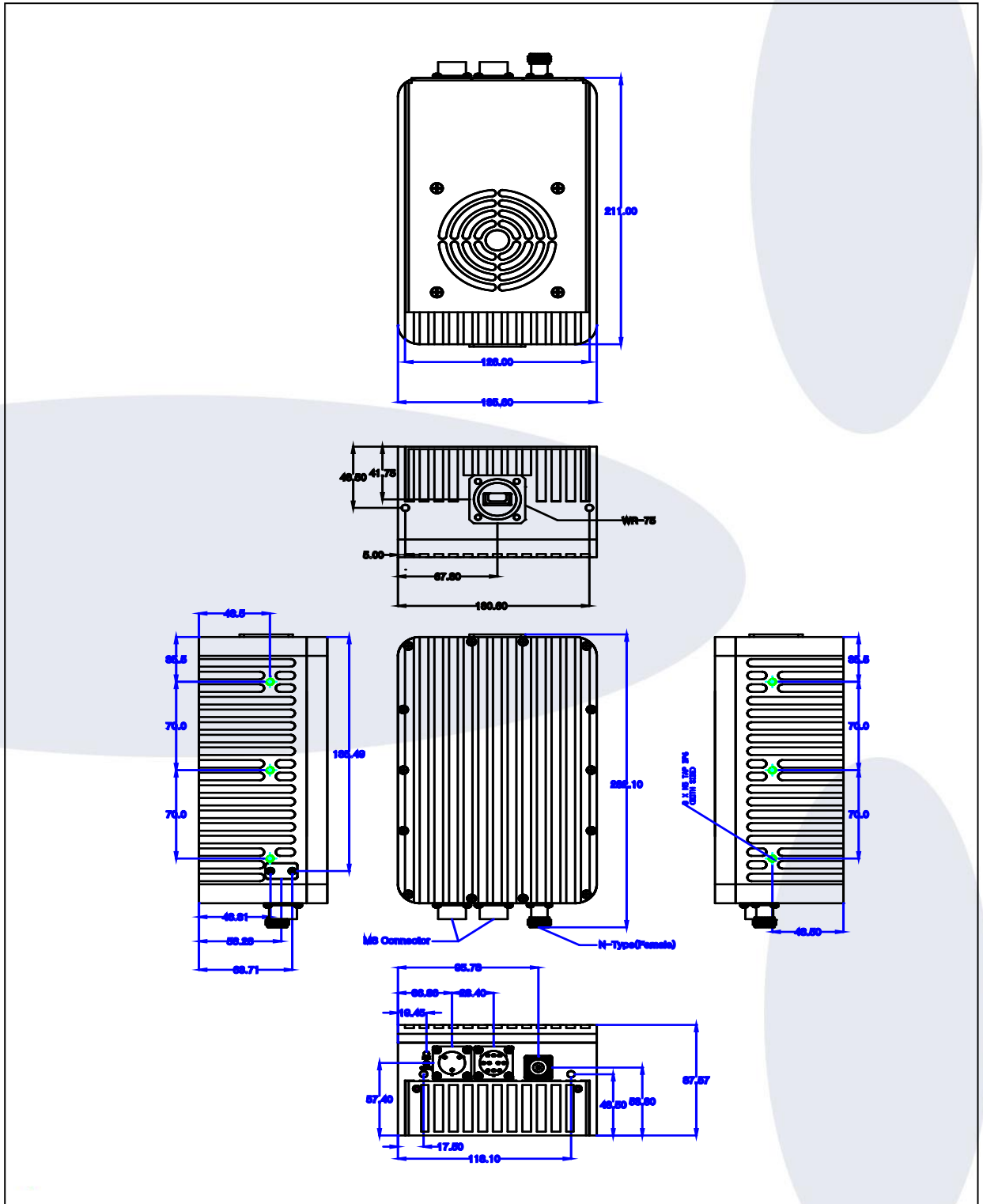
- 46dBm min. Output Power
- Based on GaN Technology
- Very Low Power Consumption
- Small Size & Light Weight
- DC Input Range 36~70VDC (Optional)
- Internal Reference / M&C Function (Optional)

Model	GMU137145B01-40W
RF Frequency	14.0~14.5GHz 13.75~14.5GHz
IF Frequency	950~1450MHz 950~1700MHz
LO Frequency	13.05GHz 12.80GHz
Output Power (min)	46dBm
Gain (min)	66dB
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	-63 dBc/Hz @ 100Hz
	-73 dBc/Hz @ 1KHz
	-83 dBc/Hz @ 10KHz
	-93 dBc/Hz @ 100KHz
	-103 dBc/Hz @ 1MHz
DC Power	+36~+70VDC
Power Consumption(max)	280W
M&C (Optional)	Monitor : Output power, Lock Status, Temperature
	Control : Attenuator, Mute, LO selection
	Interface : RS-232/RS-485
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

The specification subject to change without notice.

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Mechanical Outline (GMU137145B01-40W)



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