

Ka-Band 4/5W Block Up Converters



Applications

- High power BUCs for VSAT
- SatCom Applications

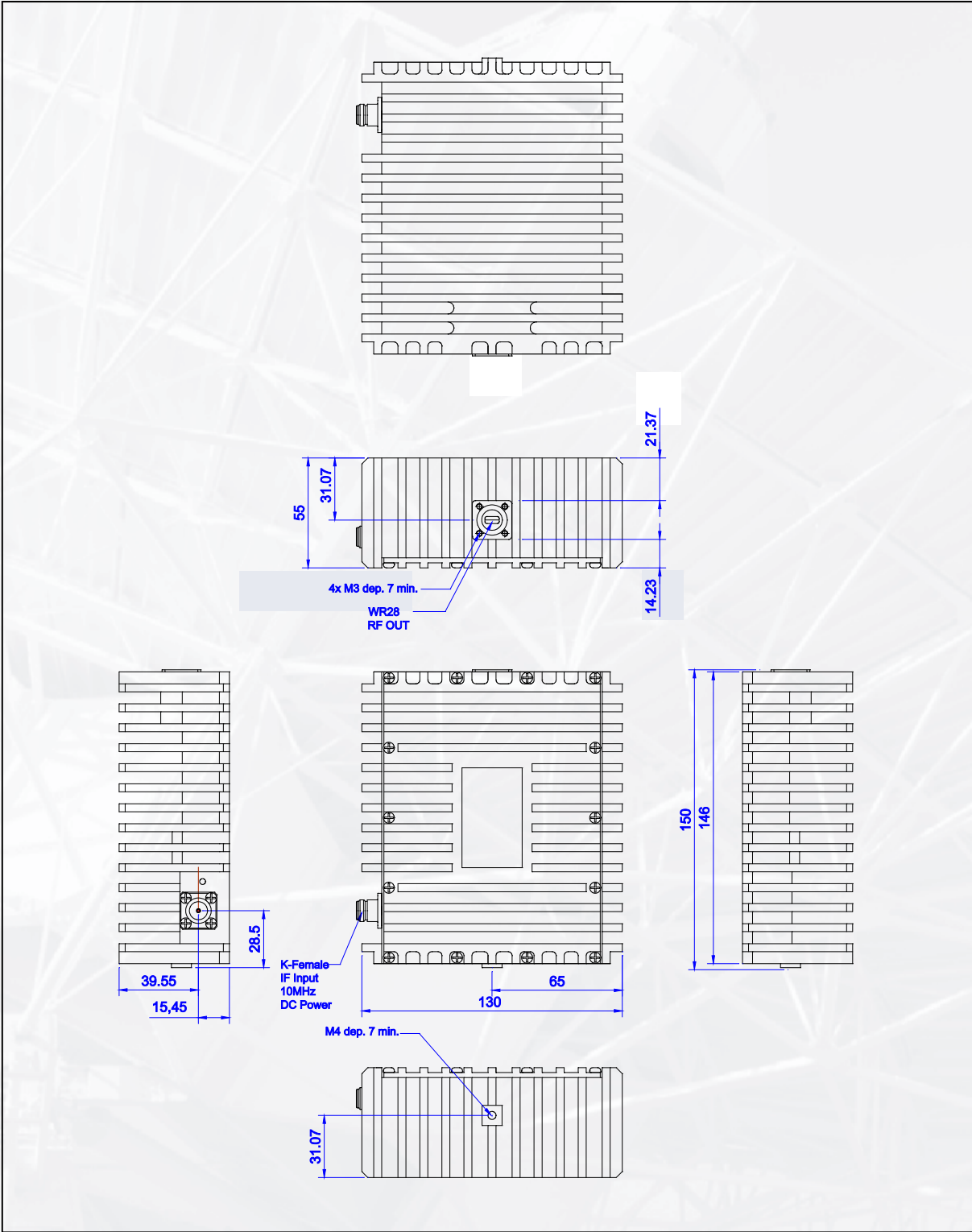
Features

- 36/37dBm min. Output Power
- Based on GaN Technology
- Very Low Power Consumption (40W max.)
- Small Size & Light Weight
- Wide DC Input Range 18~60VDC (Optional)
- Internal Reference (Optional)

Model	KMU290310B04	KMU288291B05
RF Frequency	29.0~31.0GHz	28.85~29.15GHz
IF Frequency Bandwidth	950~1450MHz / 950~1950MHz 500MHz / 1GHz (Option)	950~1250MHz
LO Frequency	28.05/28.55/29.05/29.55GHz	27.9GHz
Output Power	36 / 37dBm min.	
Gain	60dB min.	
Gain Variation over Frequency	2 dBp-p max. @ any 54 MHz 4 dBp-p max. @ over 500MHz bandwidth	
Gain Variation over Temperature	4 dBp-p max.	
IMD3	-26dBc max. @ P_linear ≤ 33 / 34dBm	
Spurious		
In Band	-60 dBc	
Out of Band	-50 dBc	
Input/Output VSWR	2 : 1 max.	
Phase Noise	-60 dBc/Hz @ 100Hz	
	-70 dBc/Hz @ 1KHz	
	-80 dBc/Hz @ 10KHz	
	-90 dBc/Hz @ 100KHz	
	-100 dBc/Hz @ 1MHz	
DC Power	18~36VDC, 40W 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	Operational : -40°C to +55°C	
	Storage : -40°C to +75°C	

Ka-Band 4/5W Block Up Converters

Mechanical Outline



2095 Ringwood Ave • Suite 10 • San Jose • California • 95131 • USA •
Tel: 408.240.3600 • Fax: 408.240.3699 • www.kmictech.com