

Ka-Band 5W/10W/20W Block Up Converters



Applications

- High power BUCs for VSAT
- SatCom Applications
- Mobile / OTM Applications

Features

- Compact Size and Light Weight
- Non-Inverter Type
- Various Options for Interface

Specification

Frequency Band	Ka Band 5W	Ka Band 10W / 20W
RF Frequency	29.0 to 31.0 GHz (500MHz Bandwidth) Option : 1GHz Bandwidth	
IF Frequency	950 ~ 1450MHz (500MHz) Option : 1GHz Bandwidth	
Output P1dB	37 dBm typ. (Linear Power : P1dB-3dB)	40dBm / 43dBm typ. (Linear Power : P1dB-3dB)
Gain & Gain Variation over Temp.	55dB typ.	63dB / 65dB typ.
	4dB p-p	5dB p-p
Gain Flatness	± 1.0 dB max. @ any 50 MHz	
	± 2.0 dB max. @ over 500MHz full band	
Gain Control Range (Option)	30dB , Step size 0.1 ~ 1.0dB	
External Ref. (10MHz)	-5~+5 dBm -125 dBc/Hz max. @ 100 Hz -135 dBc/Hz max. @ 1kHz -140 dBc/Hz max. @ 10kHz	
Phase Noise (SSB)	-63 dBc/Hz @ 100Hz -73 dBc/Hz @ 1KHz -83dBc/Hz @ 10KHz -93 dBc/Hz @ 100KHz	
DC Power	18 ~ 32V , 75W typ.	36 ~ 72V , 130W max. (10W model) 36 ~ 72V , 220W max. (20W model)
M&C (Option)	Alarm (Lock/Temperature/Current) Monitor (Lock/Power/Temp./Atten./Current) Control (Mute/Atten./Fan)	
Physical Interface	WR-28(RF Output), N Female(RF Input) Option : MS3112E12-8P (DC/M&C)	WR-28(RF Output), N Female(RF Input) DC : MS3112E12-3P Option : MS3112E12-xP (RS-232 M&C)
Dimension	190(L) X 140(W) X 50(H) mm	237.5(L) X 146.3(W) X 98.8(H) mm
	7.48(L) X 5.5(W) X 1.97(H) Inch	9.36(L) X 5.76(W) X 3.89(H) Inch
Weight	1.7 Kg / 3.9 lb max.	4.0 Kg / 9.0 lb max.
Temperature Range	Operation : -35°C to +55°C	
	Storage : -40°C to +80°C	

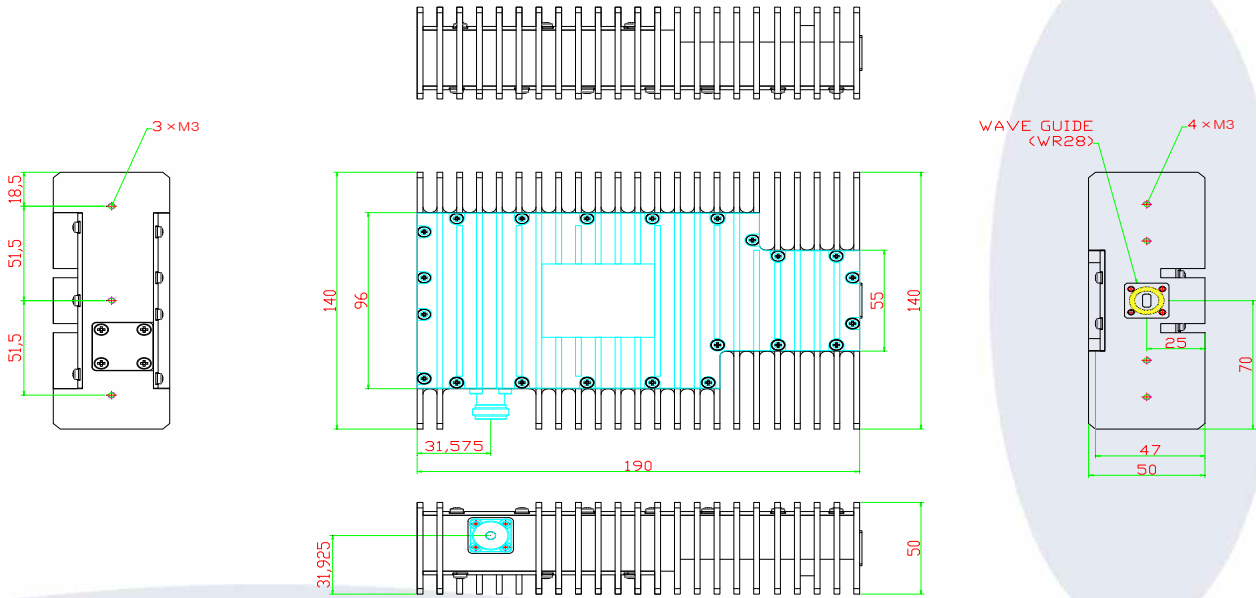
The specification subject to change without notice.



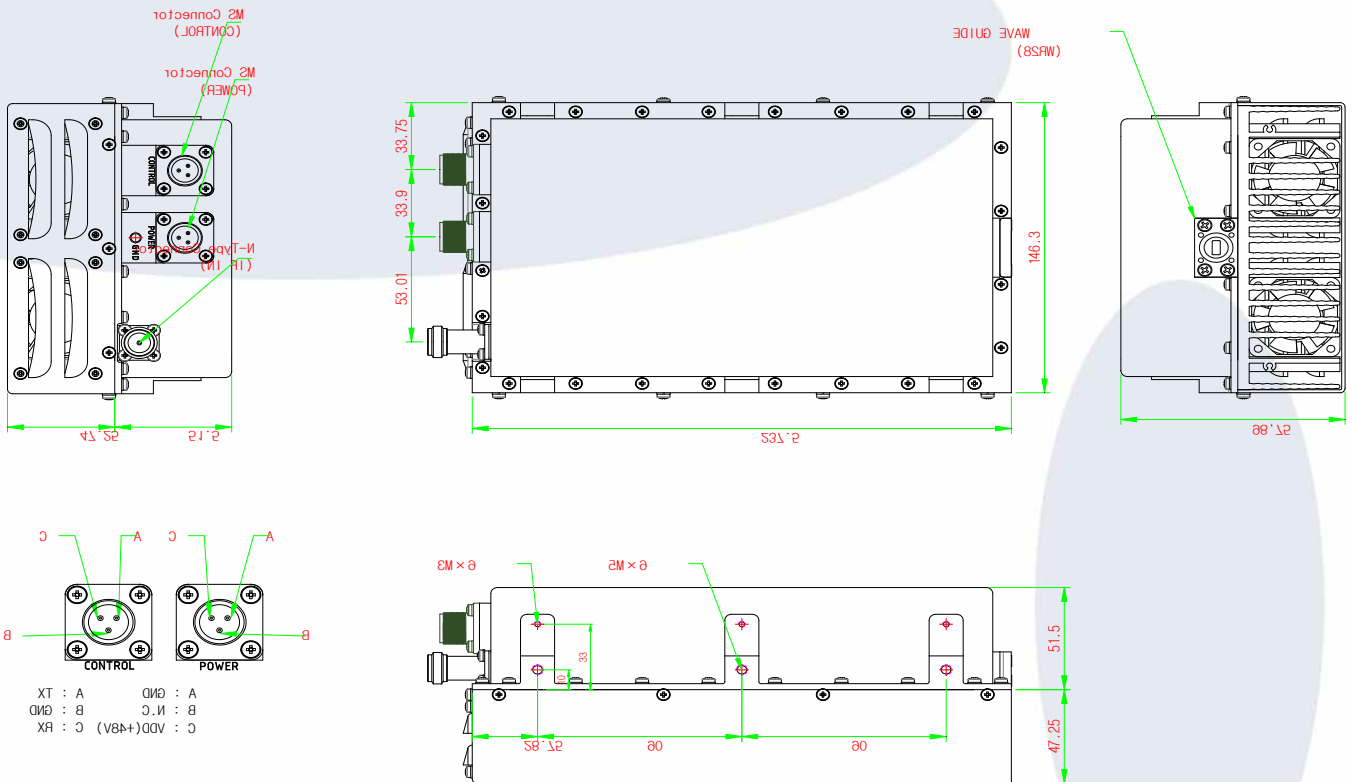
For the customized specification, price, and delivery ; Contact us

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5W BUC Outline



10W / 20W BUC Outline

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