



Block Up Converter Ka-band

N female, WR 28, 70dB Gain, 40 Watts



Order Examples: RBUC-L-Ka-Nf-WR28-70d-ER10M-40W-m20

Description: (Block Up Converter, L(1000-2000MHz) to Ka (29-30GHz), N-Type Female Connector, WR28, 70dB Gain, 10MHz External Reference, 40 Watts power)

Additional Options: **Option (950-1950MHz)** **F Female 75Ω**

Specifications		Units
Frequency	29-30	GHz
Input Power	1000-2000 (950-1950MHz Option)	MHz
LO Frequency	28.0GHz (Option: 28.05GHz)	GHz
Frequency conversion	Double conversion	
Frequency sense	No Inversion	
Saturate output power	46 (nominal)	dBm
Maximum linear output power	44 @25°C with derating at high temperature	dBm min
Input return loss	14dB min	dB
Output return loss	15dB min	dB
Phase noise(SSB)	-60dBc max @100Hz -73dBc max @1KHz -83dBc max @10KHz -93dBc max @100KHz	dBc/Hz
External reference signal frequency	10	MHz
External reference level	-5 to +5	dBm
External reference phase noise	-150dBc/Hz max @1KHz	dBc/Hz
Spectral regrowth	25 @linear power	dBc min
Group delay variation	±5.0 nanoseconds over any 45MHz	nS
Spurious (In/Out-band)	-50 @linear power	dBc max
Gain control	70 (Δ15dB, 1dB step)	dB max
Gain stability over temp	±2.0dB at any const. frequency	
Gain flatness	±1.0dB in any 45MHz ±2.5dB over full band	dB
Power requirement	+36 to +72 supplied through IFL or MS connector	VDC
Power consumption	480	Watt max
Input Interface	N-female, F-female	
Output Interface	WR28 waveguide	

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Specifications may be subject to change

11/28/17

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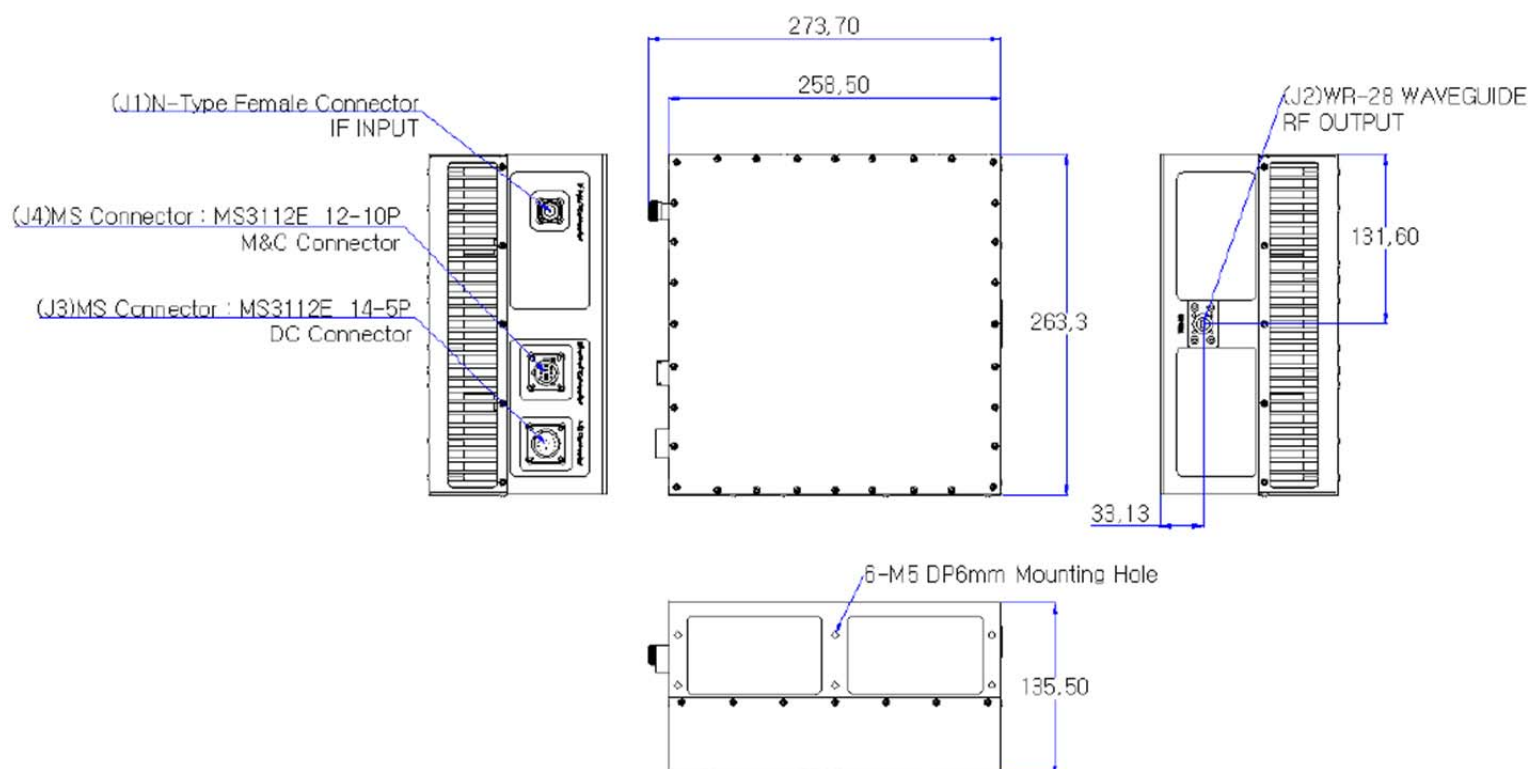
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Specifications		Units
Dimension	258.5(L) x 263(W) x 136(H) mm	mm
Weight	9.5	kg
Operating temperature	-40 to 55	°C
Humidity	0-95%	
DC, M&C interface	Ethernet or RS232 through MS3112E 12-10P connector - Output power (optional) - Temperature - LO status - Output power mute - Gain control - Power supply - EXT mute - Fan status	



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