



## 8W Ku-band G-series BUC



- 39dBm Output Power
- RF: 12.75-13.25GHz, LO= 11.8GHz
- DC Power Consumption: 120W
- Optional MS Connector or AC Power
- Optional Internal Reference Source
- RoHS Compliant
- Two Years Warranty

### Models

Model Number	Description	RF (GHz)	IF (MHz)	Output Power
TB39GPFE-02	8W Ku-band, G-series, F- or N-type Connector	12.75-13.25	950-1450	+39 dBm
TB39GPNE-02				

02: 18-24 VDC / 03: 30-60 VDC / 07: MS Con. 18-24 VDC / 08: MS Con. 36-60 VDC / 09: MS Con. 85-265 VAC

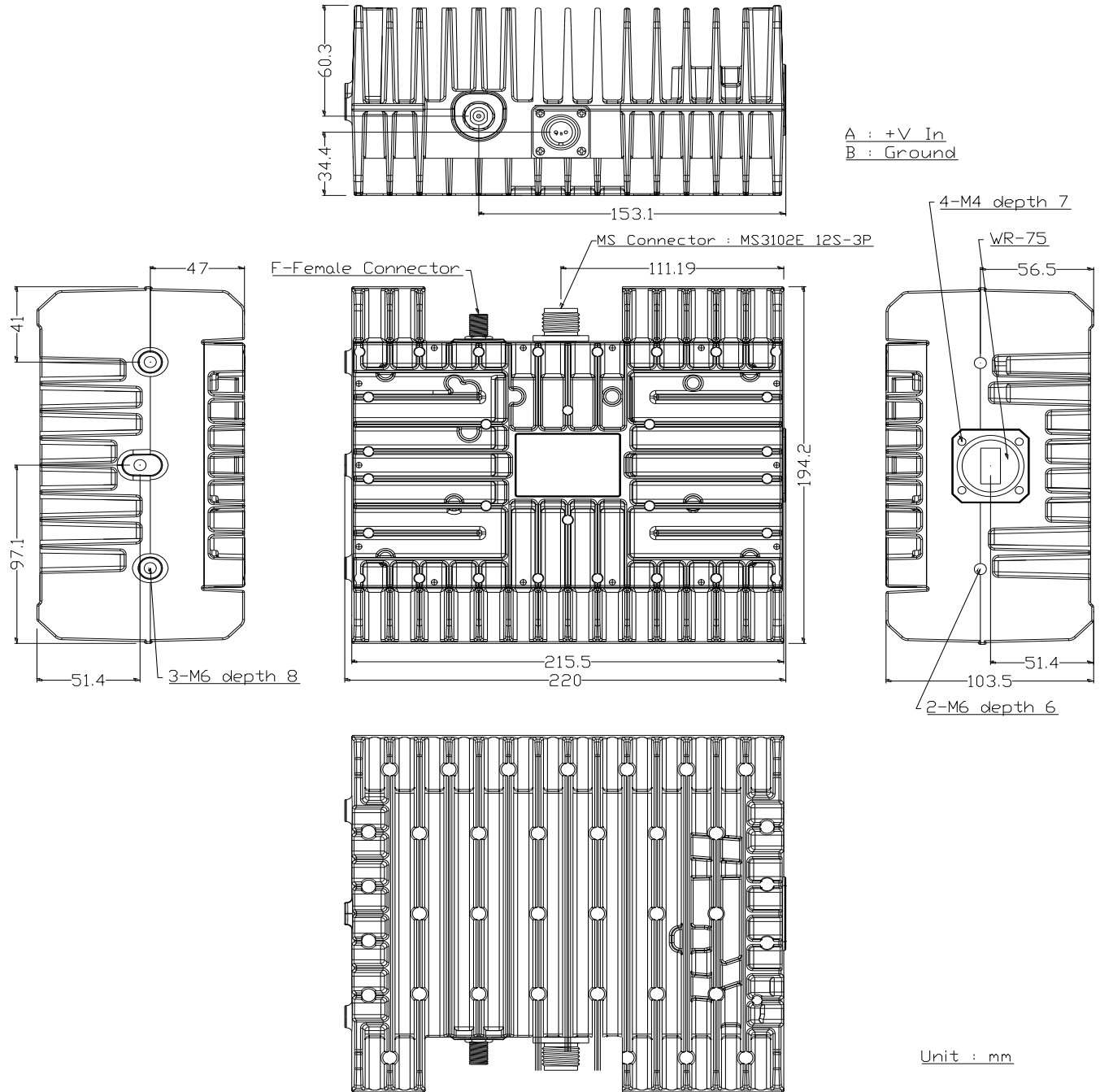
# 8W Ku-band G-series BUC

## Specifications

Parameters		Specifications
<b>Input Characteristics</b>		
Frequency Range		TB39G: 950-1450 MHz
Impedance		75 Ohm or 50 Ohm
Input VSWR		2 : 1
Interface		F- or N-type Connector
<b>Output Characteristics</b>		
Frequency Range		TB39G: 12.75-13.25 GHz (LO= 11.80 GHz)
Output Power @ 1dB G.C.P.		+39 dBm min. over temperature
Output VSWR		2 : 1
Interface		WR75G
<b>Transfer Characteristics</b>		
Frequency Sense		Non-inverted
Linear Gain		65 dB Typical
Gain Variation	Over 54 MHz	1.5 dB
	Over the Whole Bandwidth	5 dB
	Over Operation Temperature	5 dB
Spurious	In Band	-60 dBc
	Out of Band	-50 dBc
Phase Noise (Typical)	100 Hz	-65 dBc/Hz
	1 KHz	-75 dBc/Hz
	10 KHz	-85 dBc/Hz
	100 KHz	-95 dBc/Hz
<b>Miscellaneous</b>		
External Reference	Input Frequency	10 MHz
	Input Power	-5 to +5 dBm @ Input Port
	Phase Noise	-125 dBc/Hz Max. @ 100 Hz Offset -135 dBc/Hz Max. @ 1 KHz Offset -140 dBc/Hz Max. @ 10 KHz Offset
Operating Voltage		18-24 VDC, 36-60 VDC (Optional MS Connector) 85-265 VAC
Power Consumption		120W Maximum
Operating Temperature		-40 to +55°C
Humidity & Waterproof/Dustproof		Up to 100% / IP67
Internal Function		Lock detector shuts off Tx in case of LO unlocked
Dimension & Weight		DC: 220 x 194.2 x 103.5 mm / 4.5 kg AC: 220 x 194.2 x 149.3 mm / 5.5 kg

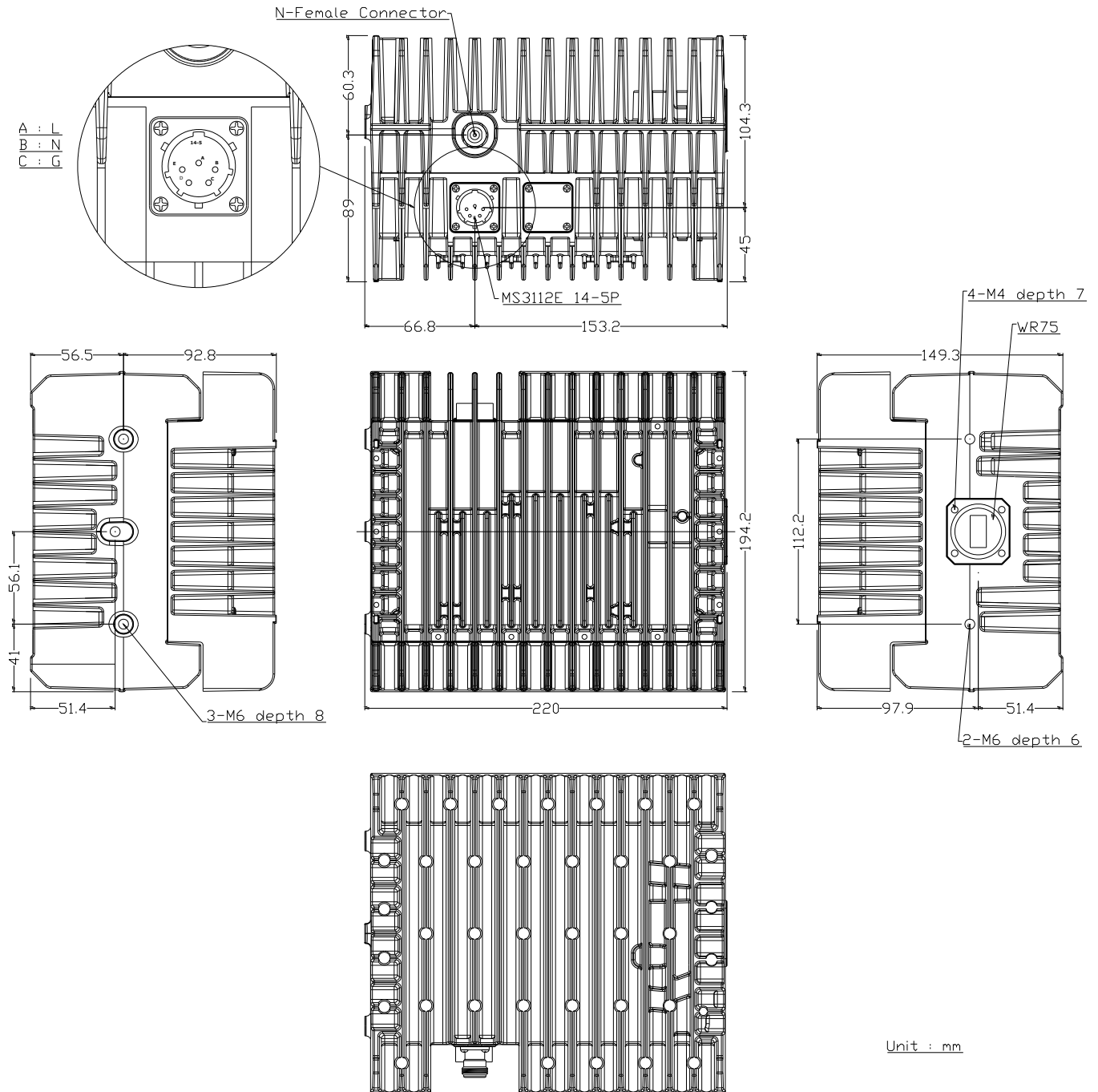
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## Mechanical Drawing (DC Power)



# 8W Ku-band G-series BUC

## Mechanical Drawing (AC Power)



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