



16W Ku-band G-series BUC



- 42dBm Output Power
- RF: 12.75-13.25GHz, LO= 11.8GHz
- Power Consumption: 230W DC / 260W AC
- 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
TB42GPFE-08	16W Ku-band, G-series, F- or N-type Connector	12.75-13.25	950-1450	+42 dBm
TB42GPNE-08				

08: MS Con. 36-60 VDC / 09: MS Con. 85-265 VAC

M8: MS Con. 36-60 VDC with M&C Function / M9: MS Con. 85-265 VAC with M&C Function

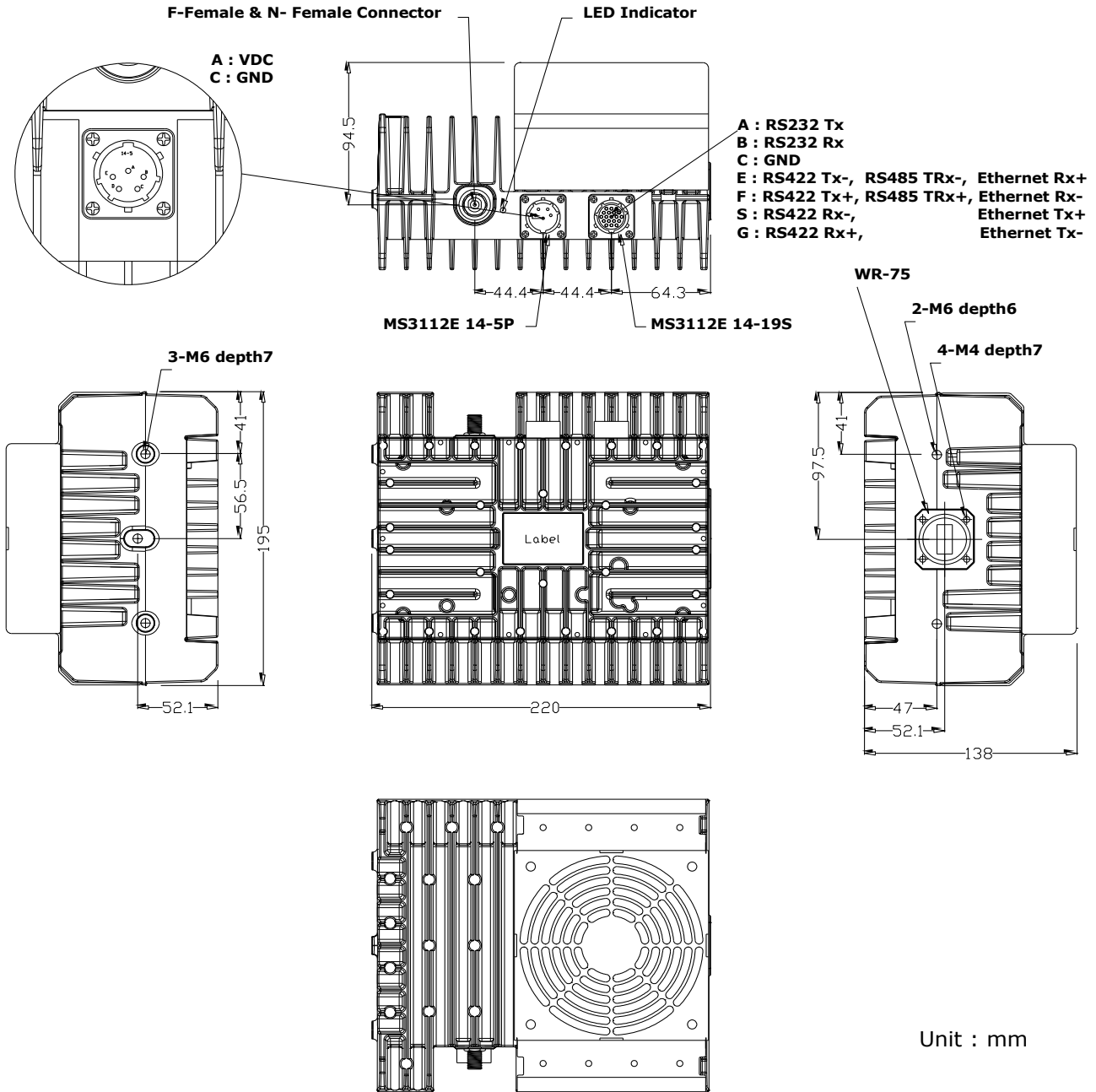
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Specifications

Parameters	Specifications	
Input Characteristics		
Frequency Range	TB42G: 950-1450 MHz	
Impedance	75 Ohm or 50 Ohm	
Input VSWR	2 : 1	
Interface	F- or N-type Connector	
Output Characteristics		
Frequency Range	TB42G: 12.75-13.25 GHz (LO= 11.80 GHz)	
Output Power @ 1dB G.C.P.	+42 dBm min. over temperature	
Output VSWR	2 : 1	
Interface	WR75G	
Transfer Characteristics		
Frequency Sense	Non-inverted	
Linear Gain	68 dB Typical	
Tx Gain Adjustment Range	15dB Variable in 0.5 dB Steps via M&C Optionally	
Gain Variation	Over 54 MHz Over the Whole Bandwidth Over Operation Temperature	1.5 dB 4 dB 4 dB
Spurious	In Band Out of Band	-60 dBc -50 dBc
Phase Noise (Typical)	100 Hz 1 KHz 10 KHz 100 KHz	-65 dBc/Hz -75 dBc/Hz -85 dBc/Hz -95 dBc/Hz
Miscellaneous		
External Reference	Input Frequency Input Power Phase Noise	10 MHz -5 to +5 dBm @ Input Port -125 dBc/Hz Max. @ 100 Hz Offset -135 dBc/Hz Max. @ 1 KHz Offset -140 dBc/Hz Max. @ 10 KHz Offset
M&C Function (Optional)	Interface Mute Control Status LED Function CMD Function TLM	RS-485, RS-232, or Ethernet Via M&C Interface or Disconnection 10MHz Reference Bicolor: Red(Abnormal), Green(Normal) HPA On/Off, Gain Control, Address Change Output Power Detection, Out-of-lock Alarm, Temperature, Summary Alarm
Operating Voltage		36-60 VDC / 85-265 VAC
Power Consumption		230W DC / 260W AC Maximum
Operating Temperature		-40 to +55°C (-40 to +75°C @Storage)
Humidity & Waterproof/Dustproof		Up to 100% / IP54
Dimension & Weight		DC: 220 x 195 x 138 mm / 5.0 kg (+1.0 kg mounting jig) AC: 220 x 195 x 183 mm / 6.0 kg (+1.0 kg mounting jig)

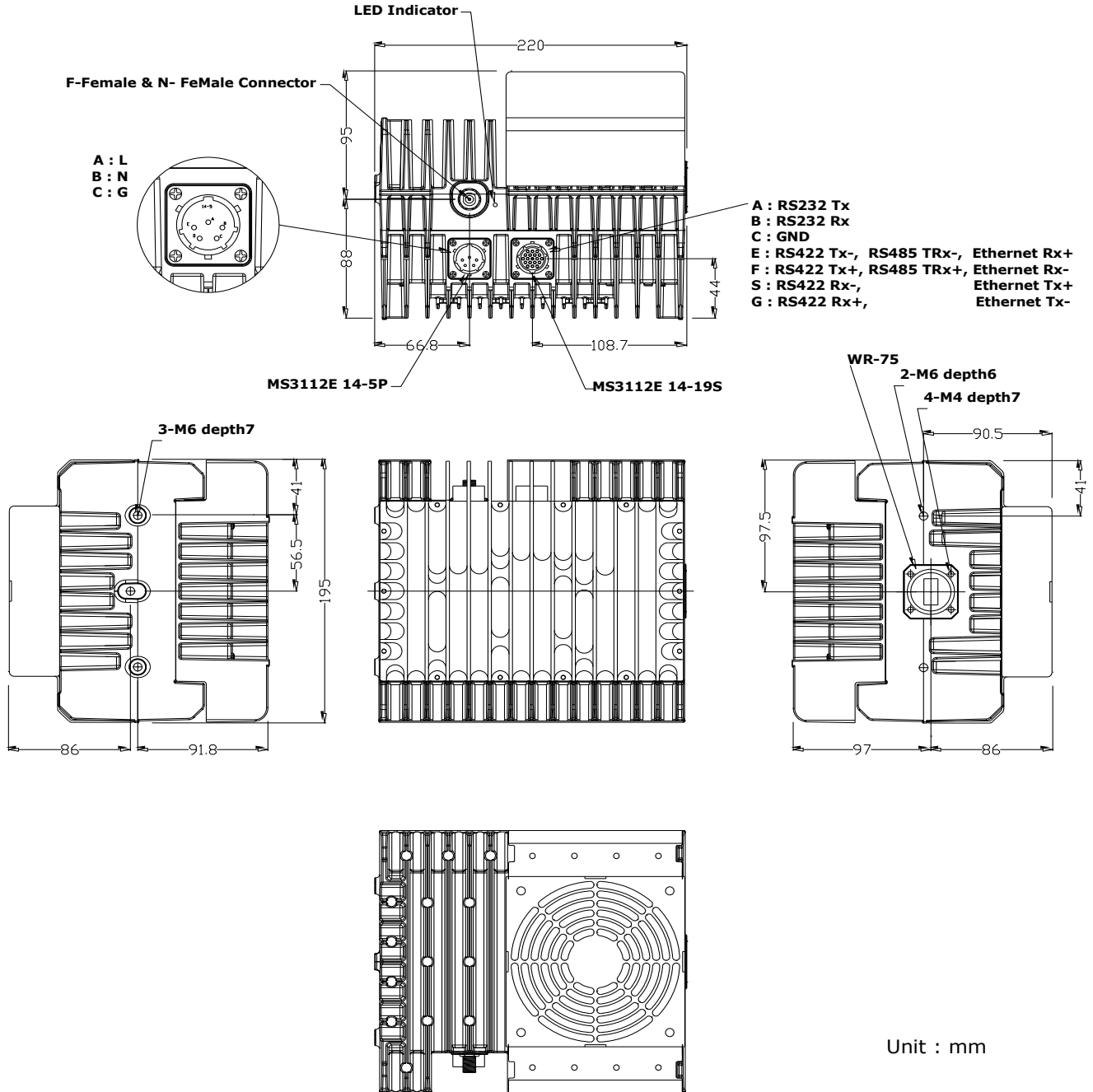
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Mechanical Drawing (DC Power)



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Mechanical Drawing (AC Power)



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