



40W Ku-band G-Series BUC



- 46dBm Output Power
- Optional Internal Reference Source
- Optional 85-265 VAC
- RoHS Compliant
- Power Consumption: 300W DC / 330W AC
- Two Years Warranty

Models

Model Number	Description	RF (GHz)	IF (MHz)	Output Power (dBm)
TB46GPFE-03	40W Ku-band, G-series, F- or N-type Connector	12.75-13.25	950-1450	+46
TB46GPNE-03				

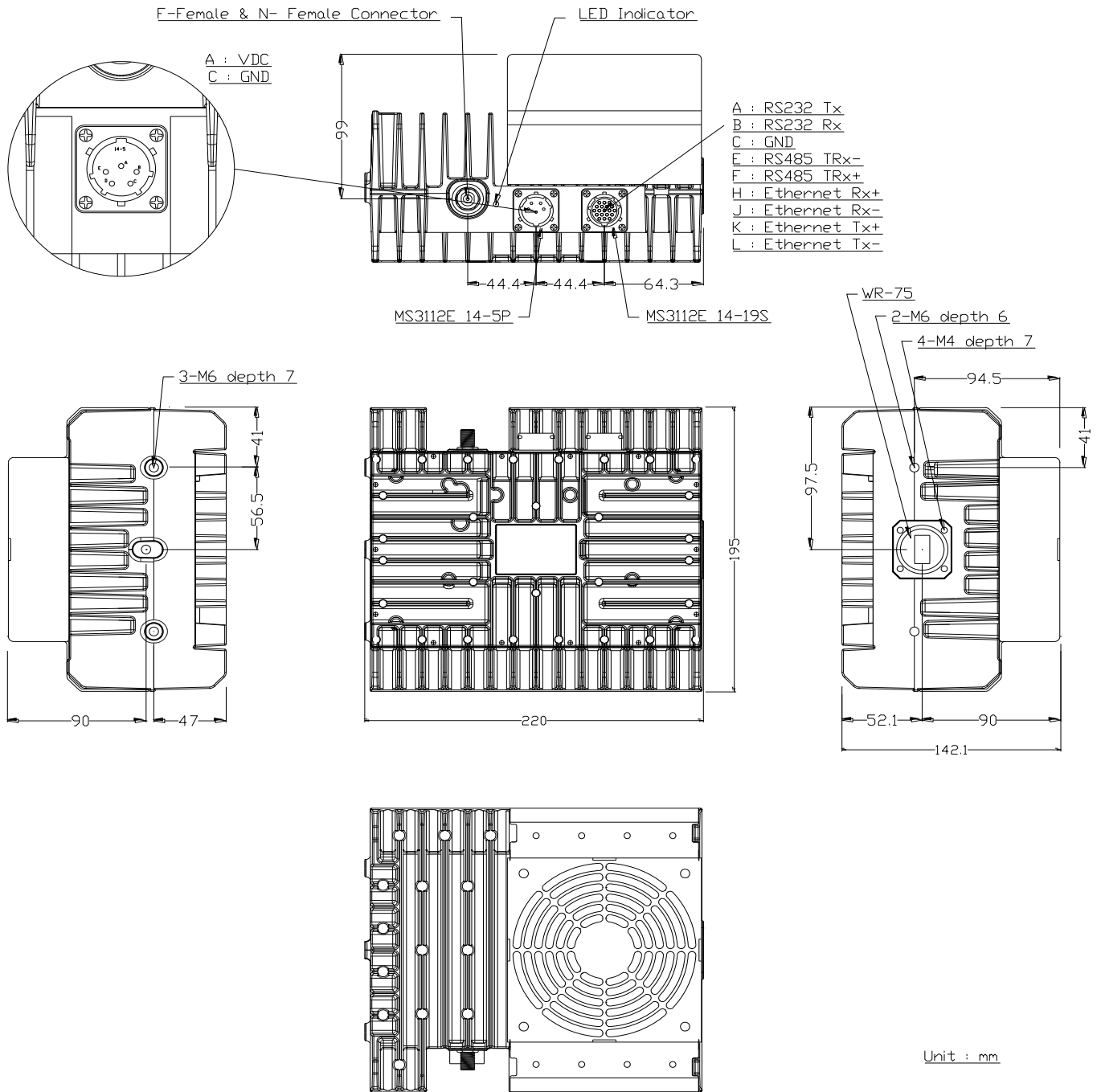
40W Ku-band G-Series BUC

Specifications

Parameters		Specifications
Input Characteristics		
Frequency Range		TB46G: 950-1450 MHz
Impedance		75 Ohm or 50 Ohm
Input VSWR		2 : 1
Interface		F- or N-type Connector
Output Characteristics		
Frequency Range		TB46G: 12.75-13.25 GHz (LO= 11.80 GHz)
Output Power @ 1dB G.C.P.		+46 dBm min. over temperature
Output VSWR		2 : 1
Interface		WR75G
Transfer Characteristics		
Frequency Sense		Non-inverted
Linear Gain		72 dB typ.
Tx Gain Adjustment Range		15 dB Variable in 0.5 dB Steps via M&C Optionally
Gain Variation	Over 54 MHz	1.5 dB
	Over the Whole Bandwidth	4 dB
	Over Operation Temperature	4 dB
Spurious	In Band	-60 dBc
	Out of Band	-50 dBc
Phase Noise (typ.)	100 Hz	-65 dBc/Hz
	1 KHz	-75 dBc/Hz
	10 KHz	-85 dBc/Hz
	100 KHz	-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/SNMP 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		400 W DC / 430 W AC max.
Operating Temperature		-40 to +55 °C
Humidity & Waterproof/Dustproof		Up to 100% / IP54
Internal Function		Lock detector shuts off Tx in case of LO unlocked
Dimension & Weight		DC: 220 x 195 x 142.1 mm / 4.5 kg AC: 220 x 195 x 187 mm / 6.0 kg (+1.0 kg mounting jig)

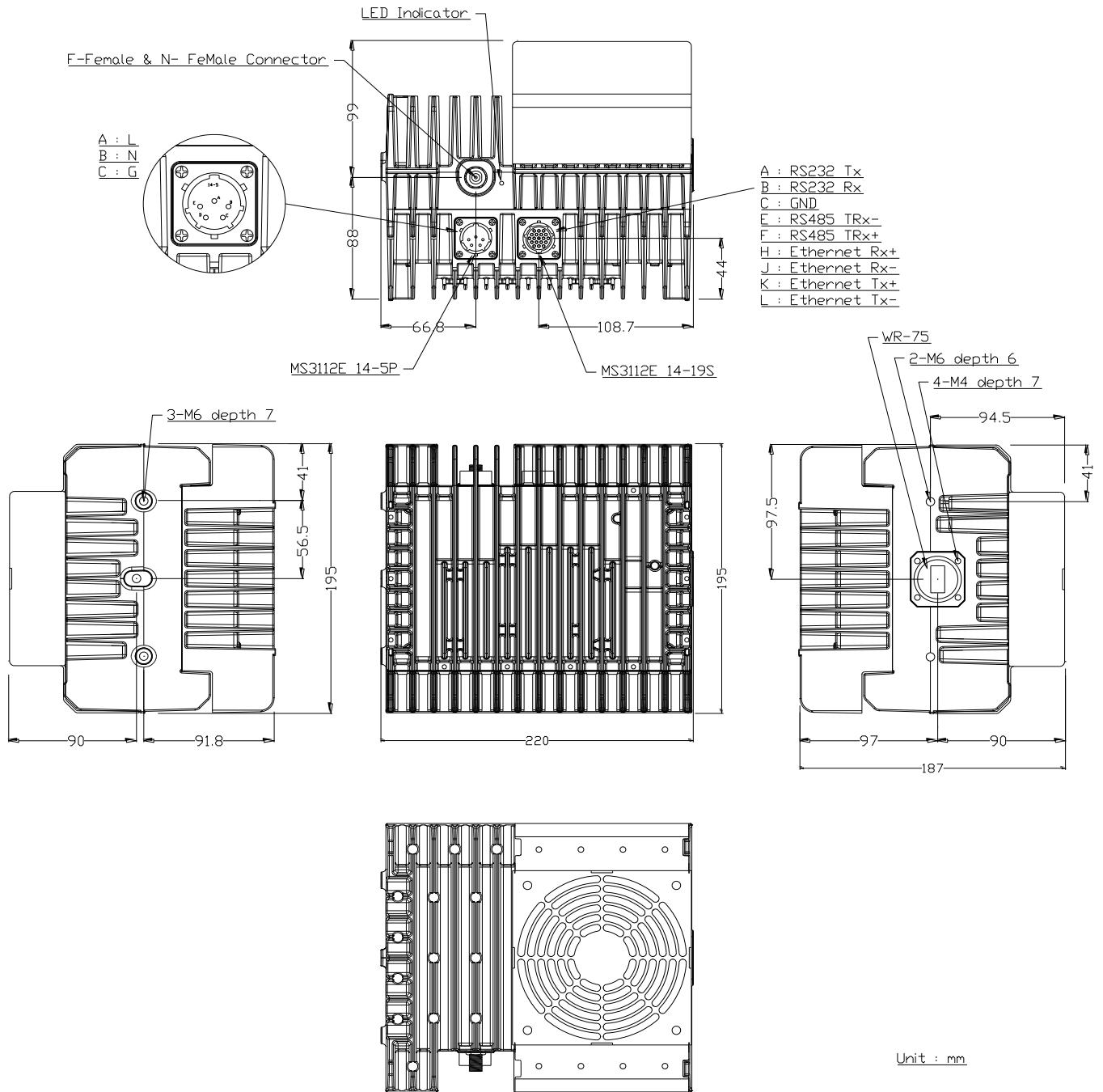
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Mechanical Drawing (DC Power)



40W Ku-band G-Series BUC

Mechanical Drawing (AC Power)



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