



8W Ku-Band BUC

VSAT™ Series are ideal for Broadband VSAT RF terminal.

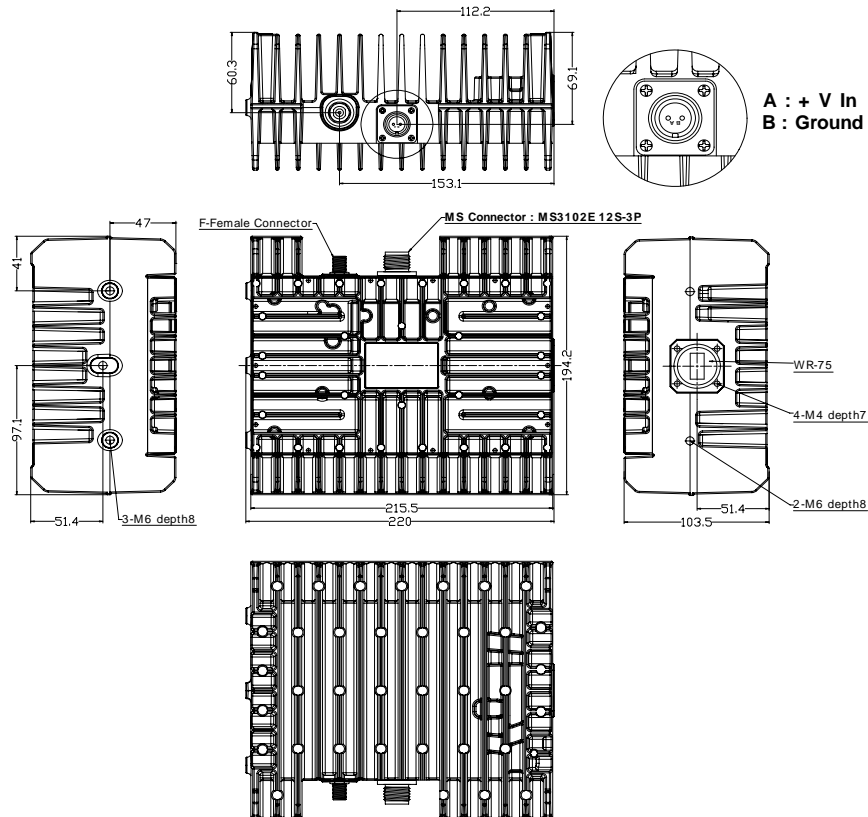
- 39dBm output power
- RoHS Compliance
- 18~24, 36~60VDC (Opt. MS Connector)
- Low DC Power Consumption(75W Max.)
- Two years Warranty



Model

Model Number	Description	RF Band	IF Band	Output Power
TB39APFE-02	8W, Std, F/N Type	14.00-14.50	950-1450	+39dBm
TB39APNE-02	(Opt. MS Connector)	(GHz)	(MHz)	
TB39BPFE-02	8W ,Low, F/N Type	13.75-14.25	950-1450	+39dBm
TB39BPNE-02	(Opt. MS Connector)	(GHz)	(MHz)	
TB39CPFE-02	8W, Ext, F/N Type	13.75-14.50	950-1700	+39dBm
TB39CPNE-02	(Opt. MS Connector)	(GHz)	(MHz)	

Mechanical Drawing





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Specifications

Parameters	Specifications
Input Characteristics	
Frequency Range	A : 950 ~ 1450 MHz B : 950 ~ 1450 MHz C : 950 ~ 1700 MHz
Impedance	75 Ohm , 50 Ohm
VSWR	2 : 1
Interface	F-Type or N-Type
Output Characteristics	
Frequency Range	A : 14.00 ~ 14.50 GHz (LO Freq = 13.05GHz) B : 13.75 ~ 14.25 GHz (LO Freq = 12.80GHz) C : 13.75 ~ 14.50 GHz (LO Freq = 12.80GHz)
1dBCompressionPoint.	Min. 39 dBm
VSWR	2 : 1
Interface	WR75G
Transfer Characteristics	
Frequency Sense	Non-inverted
Linear Gain	Typical 65 dB
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	100Hz -60 dBc/Hz 1KHz -70 dBc/Hz 10KHz -80 dBc/Hz 100KHz -90 dBc/Hz
Miscellaneous	
External Reference	Input Frequency 10MHz Input Power -5 to +5dBm@Input Port Phase Noise -125 dBc/Hz @ 100Hz offset -135 dBc/Hz @ 1kHz offset -140 dBc/Hz @ 10kHz offset
Operating Voltage DC	18 ~ 24VDC, 36~60VDC (Opt. MS Connector)
Power Consumption	Max. 75W
Operating Temperature	-40 to +55 °C
Humidity	Up to 100%
Internal Function	Lock Detector shuts off Tx in case of LO unlocked
Dimensions / Weight	220 X 194.2 X 103.5 (mm) / 4.5 Kg