



# Mini 8W Ku-Band BUC

VSAT™ Series are ideal for Broadband VSAT RF terminal.

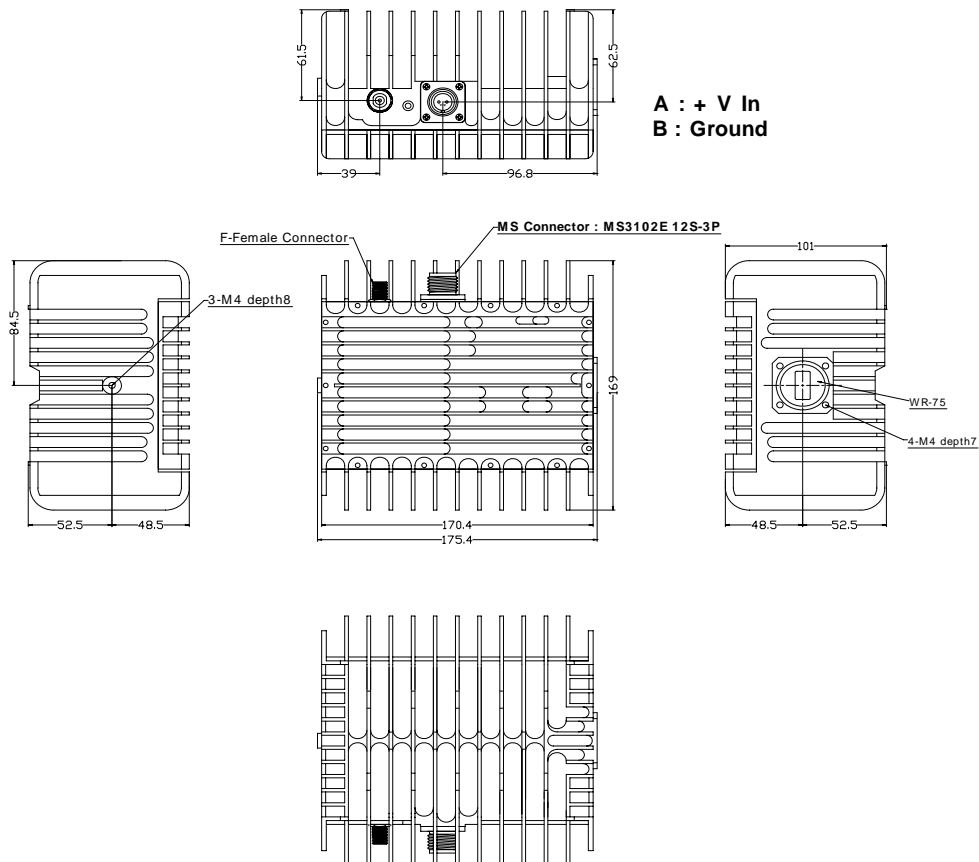
- 39dBm output power
- RoHS Compliance
- 18~60VDC (Opt. MS Connector)
- Low DC Power Consumption(75W Max.)
- Two years Warranty



## Model

Model Number	Description	RF Band	IF Band	Output Power
TBA39APFE-04	8W,Std, F/N Type	14.00-14.50	950-1450	+39dBm
TBA39APNE-04	(Opt. MS Connector)	(GHz)	(MHz)	
TBA39BPFE-04	8W ,Low, F/N Type	13.75-14.25	950-1450	+39dBm
TBA39BPNE-04	(Opt. MS Connector)	(GHz)	(MHz)	
TBA39CPFE-04	8W Ext, F/N Type	13.75-14.50	950-1700	+39dBm
TBA39CPNE-04	(Opt. MS Connector)	(GHz)	(MHz)	

## Mechanical Drawing





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## Specifications

Parameters	Specifications
<b>Input Characteristics</b>	
Frequency Range	A : 950 ~ 1450 MHz B : 950 ~ 1450 MHz C : 950 ~ 1700 MHz
Impedence	75 Ohm , 50 Ohm
VSWR	2 : 1
Interface	F-Type or N-Type
<b>Output Characteristics</b>	
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
<b>Transfer Characteristics</b>	
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
<b>Miscellaneous</b>	
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 ~ 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	175.4 X 169 X 101 (mm) / 2.7 Kg