



4W Ku-Band BUC

VSAT™ Series are ideal for Broadband VSAT RF terminal.

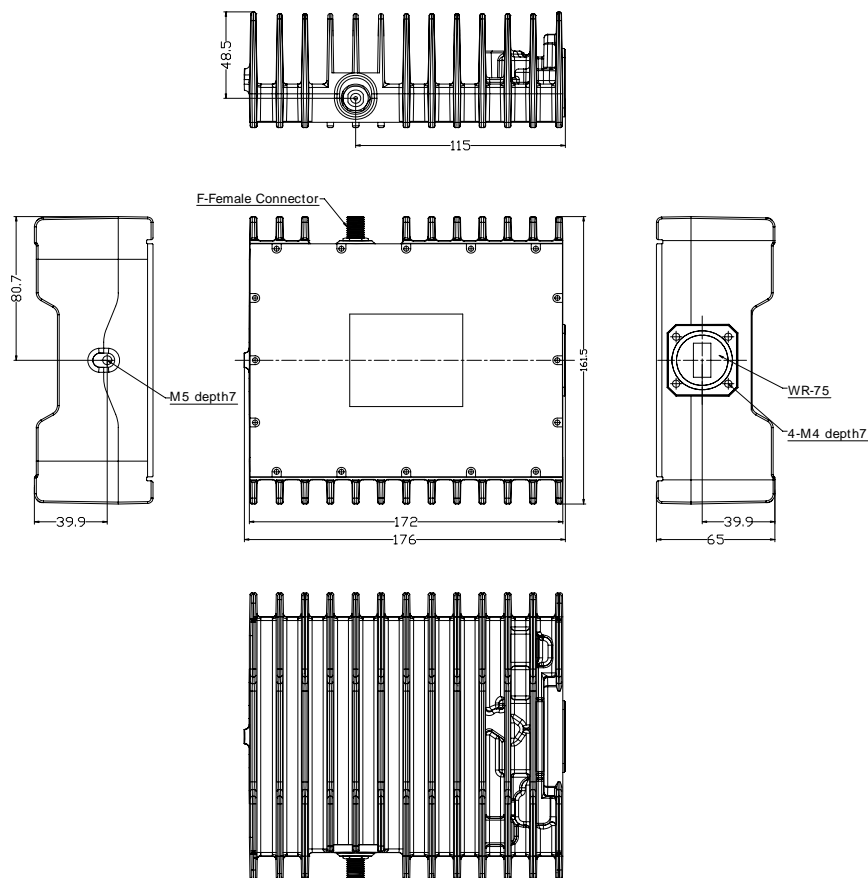
- 36dBm output power
- RoHS Compliance
- Small Size & Mass
- Low DC Power Consumption
- Two years Warranty



Model

Model Number	Description	RF Band	IF Band	Output Power
TB36APFE-01	4W Ku-band BUC, Std, F/N Type	14.00-14.50 (GHz)	950-1450 (MHz)	+36dBm
TB36APNE-01				
TB36BPFE-01	4W Ku-band BUC, Low, F/N Type	13.75-14.25 (GHz)	950-1450 (MHz)	+36dBm
TB36BPNE-01				
TB36CPFE-01	4W Ku-band BUC, Ext, F/N Type	13.75-14.50 (GHz)	950-1700 (MHz)	+36dBm
TB36CPNE-01				

Mechanical Drawing





4W Ku-Band BUC

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.	36 dBm
VSWR	2 : 1
Interface	WR75G
Transfer Characteristics	
Frequency Sense	Non-inverted
Linear Gain Typical	58 dB
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 100Hz 1KHz 10KHz 100KHz	-60 dBc/Hz -70 dBc/Hz -80 dBc/Hz -90 dBc/Hz
Miscellaneous	
External Reference Input Frequency Input Power Phase Noise	10MHz -5 to +5dbm@Input Port -125 dBc/Hz @ 100Hz offset -135 dBc/Hz @ 1kHz offset -140 dBc/Hz @ 10kHz offset
Operating Voltage DC	15 – 24 VDC
Power Consumption Max.	35W
Operating Temperature	-40 - + 55 °C
Humidity	Up to 100%
Internal Function	Lock Detector shuts off Tx in case of LO unlocked
Dimensions / Weight	176.1 X 161.5 X 65 (mm) / 1.8 Kg