



# 4W Ku-Band F, G Series BUC

VSAT™ Series are ideal for Broadband VSAT RF terminal.

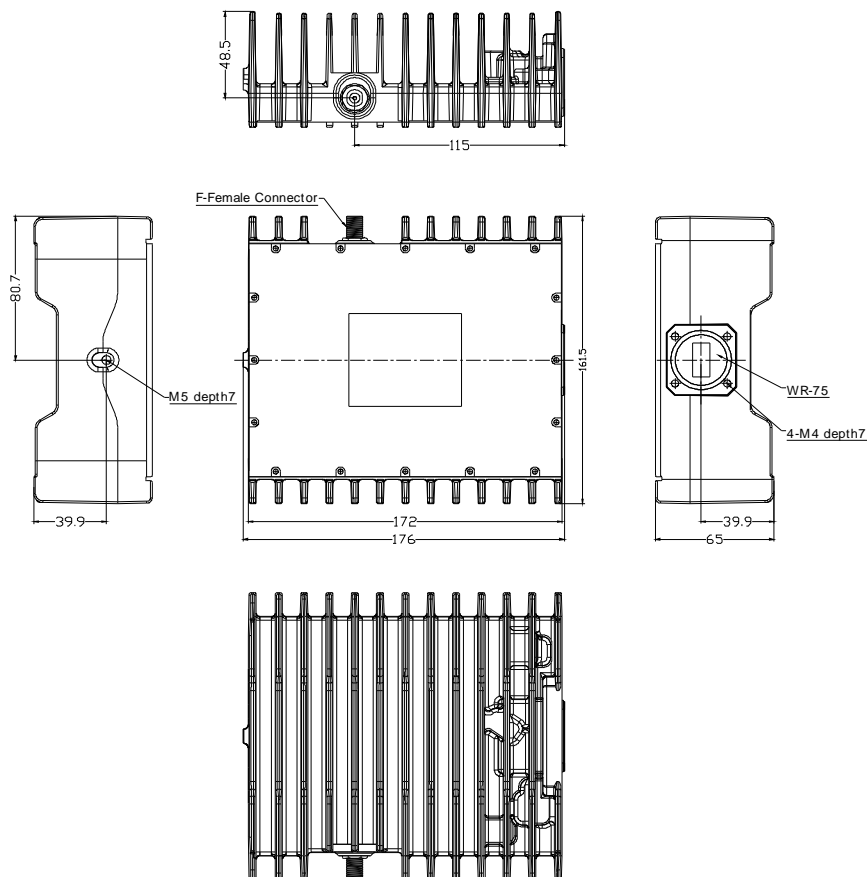
- | 36dBm output power
- | Optional Internal Reference source
- | RoHS Compliant
- | Small Size & Mass
- | Power Consumption - 48W Max.
- | Two years Warranty



## Ku-band 4W F, G Series BUC Model

Model Number	Description	RF Band	IF Band	Output Power
TB36FPFE-01	4W Ku-band BUC, F Series, F/N Type	13.00-13.25 (GHz)	950-1200 (MHz)	+36dBm
TB36FPNE-01				
TB36GPFE-01	4W Ku-band BUC, F Series, F/N Type	12.75-13.25 (GHz)	950-1450 (MHz)	+36dBm
TB36GPNE-01				

## Mechanical Drawing



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# 4W Ku-Band F, G Series BUC

## Specifications

Parameters		Specifications
<b>Input Characteristics</b>		
Frequency Range		F : 950 ~ 1200 MHz G : 950 ~ 1450 MHz
Impedance		75 Ohm , 50 Ohm
VSWR		2 : 1
Interface		F-Type or N-Type
<b>Output Characteristics</b>		
Frequency Range		F : 13.00 ~ 13.25 GHz (LO Freq = 12.05GHz) G : 12.75 ~ 13.25 GHz (LO Freq = 11.80GHz)
1dBCompressionPoint.	Min.	36dBm
VSWR		2 : 1
Interface		WR75G
<b>Transfer Characteristics</b>		
Frequency Sense		Non-inverted
Linear Gain	Typical	58 dB
Gain Variation	Over 54 MHz Over the whole Bandwidth Over Operation Temperature	1.5 dB 5 dB 5 dB
Spurious	In band Out of band	-60dBc -50dBc
Phase Noise	100Hz 1KHz 10KHz 100KHz	-60dBc/Hz -70dBc/Hz -80dBc/Hz -90dBc/Hz
<b>Miscellaneous</b>		
External Reference	Input Frequency Input Power Phase Noise	10MHz -5 to +5dbm@Input Port -125dBc/Hz @ 100Hz offset -135dBc/Hz @ 1kHz offset -140dBc/Hz @ 10kHz offset
Operating Voltage DC		15 ~ 24 VDC
Power Consumption	Max.	48W
Operating Temperature		-40 to +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

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