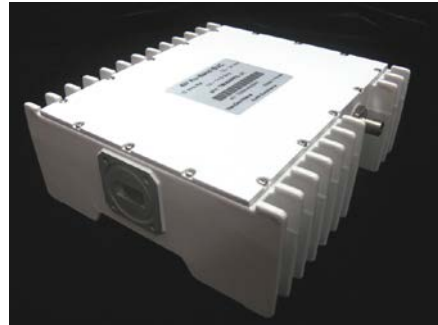




4W Ku-band D Series BUC

VSAT™ Series are ideal for Broadband VSAT RF terminal.

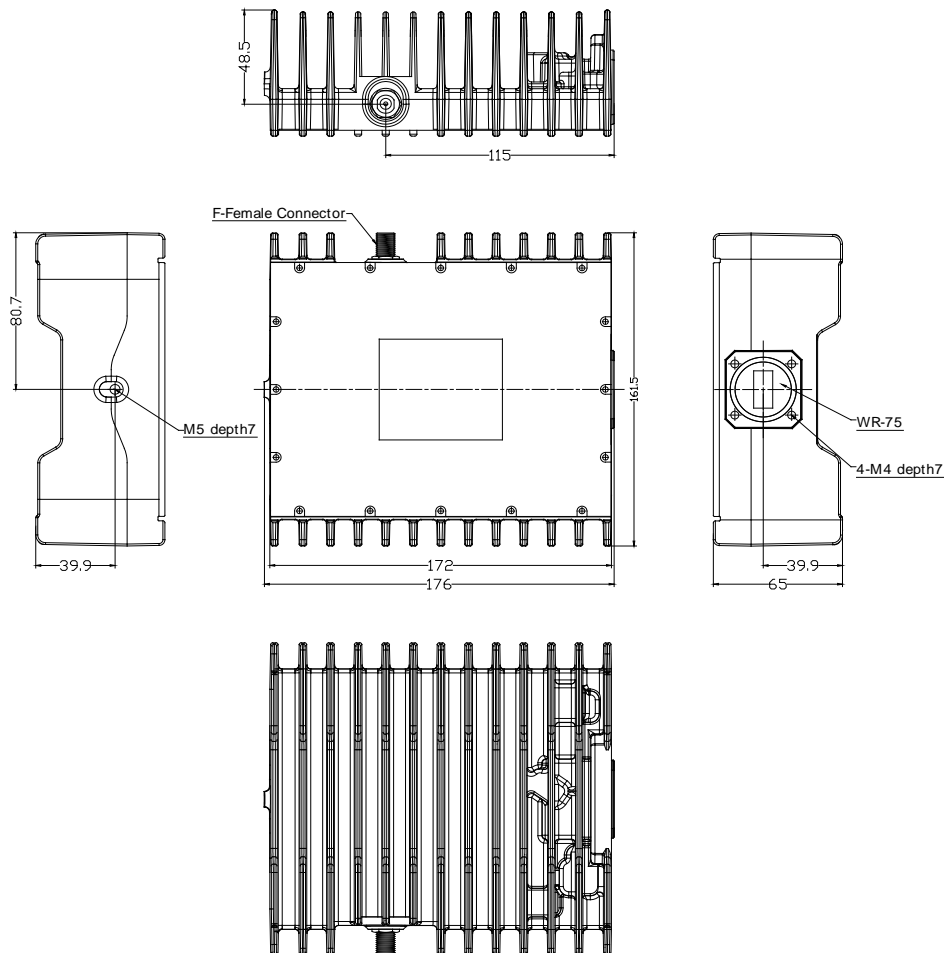
- 36dBm output power
- Optional Internal Reference source
- RoHS Compliant
- Small Size & Mass
- Power Consumption : 40W Max.
- Two years Warranty



Ku-band 4W D Series BUC Model

Model Number	Description	RF Band	IF Band	Output Power
TB36DPFE-01	4W Ku-band BUC, D Series, F/N Type	12.25-12.75 (GHz)	950-1450 (MHz)	+36dBm
TB36DPNE-01				

Mechanical Drawing



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4W Ku-band D Series BUC

Specifications

Parameters	Specifications
Input Characteristics	
Frequency Range	D : 950 ~ 1450 MHz
Impedance	75 Ohm , 50 Ohm
VSWR	2 : 1
Interface	F-Type or N-Type
Output Characteristics	
Frequency Range	D : 12.25 ~ 12.75 GHz (LO Freq = 11.3GHz)
Output Power @ 1dB G.C.P (Over temp.) Min.	36dBm
VSWR	2 : 1
Interface	WR75G
Transfer Characteristics	
Frequency Sense	Non-inverted
Linear Gain Typical	58 dB
Gain Variation Over 54 MHz	1.5 dB
Over the whole Bandwidth	4 dB
Over Operation Temperature	4 dB
Spurious In band	-60dBc
Out of band	-50dBc
Phase Noise (Typ.) 100Hz	-65dBc/Hz
1KHz	-75dBc/Hz
10KHz	-85dBc/Hz
100KHz	-95dBc/Hz
Miscellaneous	
External Reference Input Frequency	10MHz
Input Power	-5 to +5dBm@Input Port
Phase Noise	-125dBc/Hz max.@ 100Hz offset -135dBc/Hz max.@ 1kHz offset -140dBc/Hz max.@ 10kHz offset
Operating Voltage DC	15 ~ 24 VDC
Power Consumption Max.	40W
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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