



# 5W C-Band BUC

*VSAT™ Series* are ideal for Broadband VSAT RF terminal.

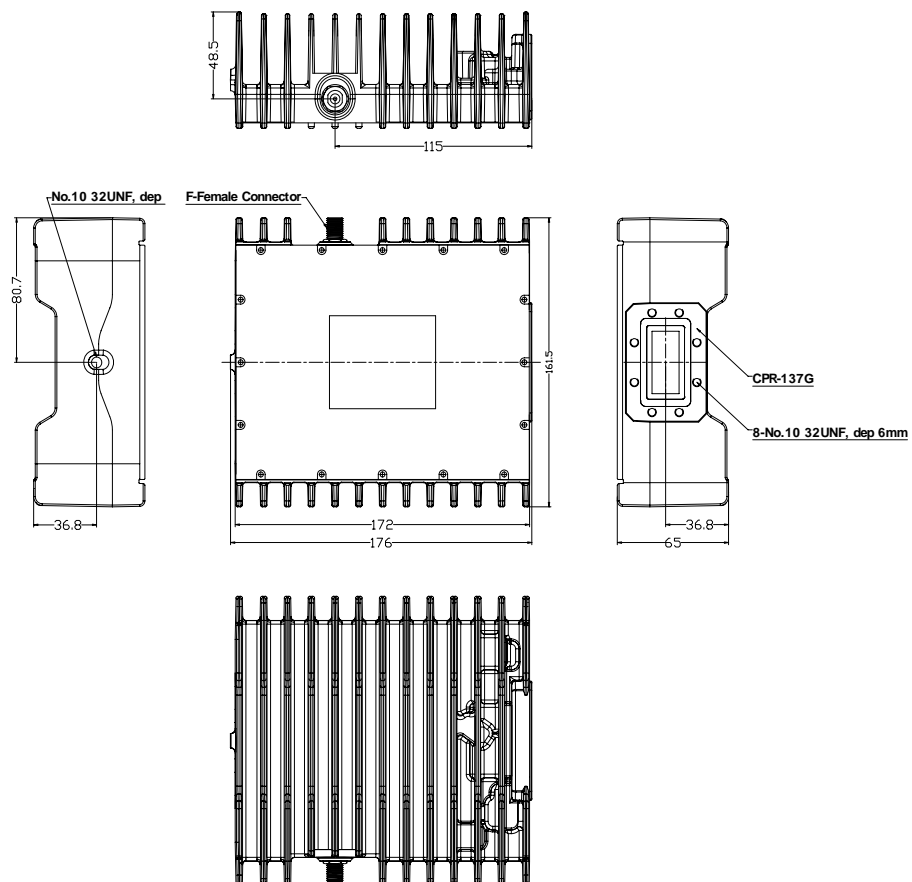
- 37dBm min. output power
- RoHS Compliance
- Small Size & Mass
- Low DC Power Consumption(55W Max.)
- Two years Warranty



## Model

Model Number	Description	RF Band	IF Band	Output Power
TA37APFE-01	5W C-band BUC, Std, F/N Type	5.85– 6.425 (GHz)	950 -1525 (MHz)	+ 37dBm
TA37APNE-01				
TA37BPFE-01	5W C-band BUC, Palapa, F/N Type	6.425-6.725 (GHz)	1150-1450 (MHz)	+ 37dBm
TA37BPNE-01				
TA37CPFE-01	5W C-band BUC, Insat, F/N Type	6.725-7.025 (GHz)	975 -1275 (MHz)	+ 37dBm
TA37CPNE-01				

## Mechanical Drawing





# 5W C-Band BUC

## Specifications

Parameters	Specifications
<b>Input Characteristics</b>	
Frequency Range	A : 950 ~ 1525 MHz B : 1150 ~ 1450 MHz C : 975 ~ 1275 MHz
Impedance	75 Ohm , 50 Ohm
VSWR	2 : 1
Interface	F-Type or N-Type
<b>Output Characteristics</b>	
Frequency Range	A : 5.85 ~ 6.425 GHz (LO-4.9 GHz) B : 6.425 ~ 6.725 GHz (LO-5.275 GHz) C : 6.725 ~ 7.025 GHz (LO-5.75 GHz)
1dBCompressionPoint. Min.	37 dBm
VSWR	2 : 1
Interface	CPR137G
<b>Transfer Characteristics</b>	
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	-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	15 ~ 24 VDC
Power Consumption Max.	55W
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