



6W Ku-Band BUC

VSAT™ Series are ideal for Broadband VSAT RF terminal.

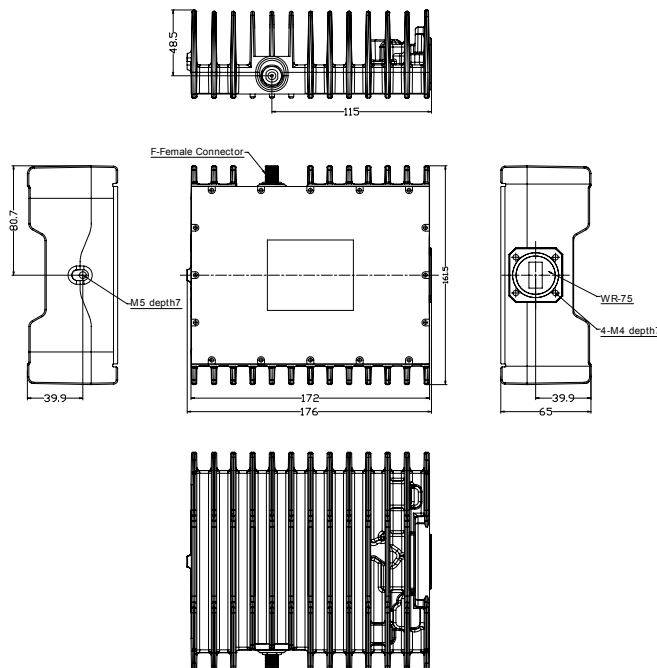
- 37.8dBm output power
- RoHS Compliance
- Small Size & Mass
- Power Consumption (48W Max.)
- Two years Warranty



Model

Model Number	Description	RF Band	IF Band	Output Power
TB38APFE-01	6W Ku-band BUC, Std, F/N Type	14.00-14.50 (GHz)	950-1450 (MHz)	+37.8dBm
TB38APNE-01				
TB38BPFE-01	6W Ku-band BUC, Low, F/N Type	13.75-14.25 (GHz)	950-1450 (MHz)	+37.8dBm
TB38BPNE-01				
TB38CPFE-01	6W Ku-band BUC, Ext, F/N Type	13.75-14.50 (GHz)	950-1700 (MHz)	+37.8dBm
TB38CPNE-01				

Mechanical Drawing



NexGenWave ALL RIGHTS RESERVED
www.nexgenwave.com



6W 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.	37.8dBm
VSWR	2 : 1
Interface	WR75G
Transfer Characteristics	
Frequency Sense	Non-inverted
Linear Gain	Typical 60 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	100Hz -60dBc/Hz 1KHz -70dBc/Hz 10KHz -80dBc/Hz 100KHz -90dBc/Hz
Miscellaneous	
External Reference	Input Frequency 10MHz Input Power -5 to +5dbm@Input Port Phase Noise -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

NexGenWave ALL RIGHTS RESERVED

www.nexgenwave.com

UNITRONIX Pty Ltd

PO Box 486, Morisset NSW 2264

NSW: Tel: 61 2 4977 3511 Fax: 61 2 4977 3522

WA: Tel: 61 8 9455 2424 Fax: 61 8 9455 2458

unitsyd@unitronix.com.au www.unitronix.com.au