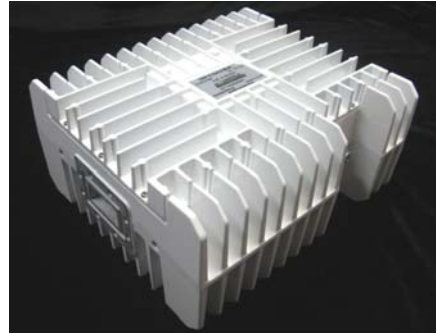




10W C-Band BUC

VSAT™ Series are ideal for Broadband VSAT RF terminal.

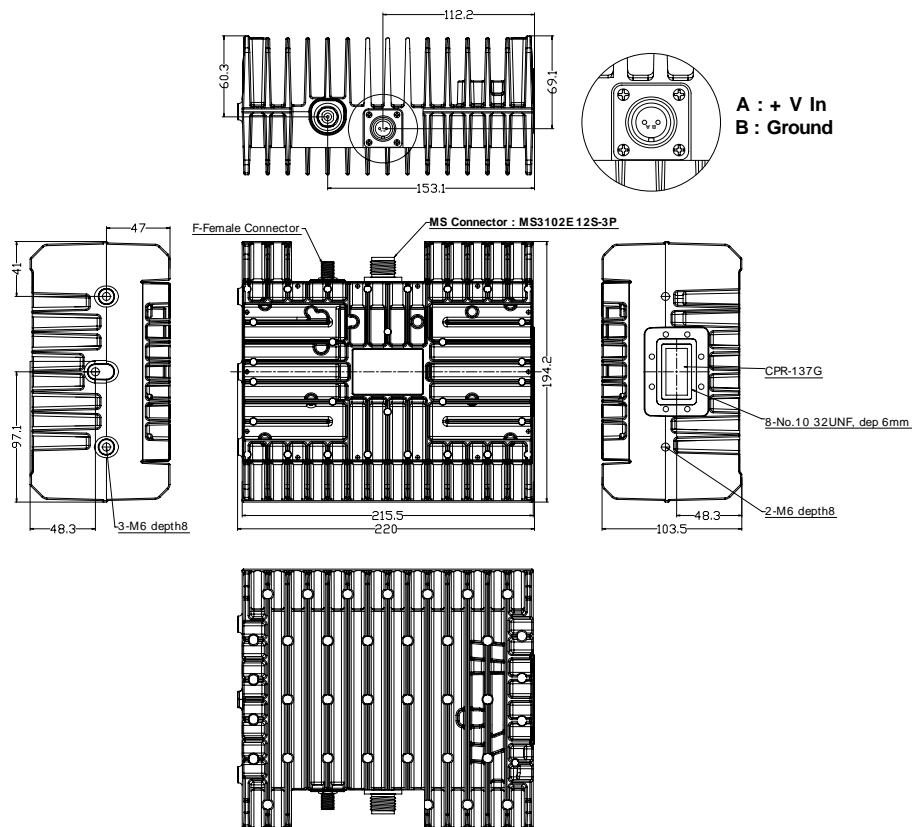
- 40dBm min. output power
- RoHS Compliance
- 18~24, 36~60VDC (Opt. MS Connector)
- DC Power Consumption (80W Max.)
- Two years Warranty



Model

Model Number	Description	RF Band	IF Band	Output Power
TA40APFE-02	10W, Std, F/N	5.85– 6.425	950 - 1525	+40dBm
TA40APNE-02	(Opt. MS Connector)	(GHz)	(MHz)	
TA40BPFE-02	10W, Palapa, F/N	6.425-6.725	1150-1450	+40dBm
TA40BPNE-02	(Opt. MS Connector)	(GHz)	(MHz)	
TA40CPFE-02	10W, Insat, F/N	6.725-7.025	975 - 1275	+40dBm
TA40CPNE-02	(Opt. MS Connector)	(GHz)	(MHz)	

Mechanical Drawing





10W C-Band BUC

Specifications

Parameters	Specifications
Input Characteristics	
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
Output Characteristics	
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. 40 dBm
VSWR	2 : 1
Interface	CPRI37G
Transfer Characteristics	
Frequency Sense	Non-inverted
Linear Gain	Typical 65 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
Miscellaneous	
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	18 ~ 24, 36~60 VDC, (Opt. MS Connector)
Power Consumption	Max. 80W
Operating Temperature	-40 ~ +55 °C
Humidity	Up to 100%
Internal Function	Lock Detector shuts off Tx in case of LO unlocked
Dimensions / Weight	220 X 194.2 X 103.5 (mm) / 4.5 Kg