



300W, 400W

# AM-9336 Series C-Band BUC

## All-In-One Package for Crucial VSAT Networks

### Key Features & Benefits

- Integrated BUC for Better Performance & Reliability
- Water-Proof IP65 Standard
- Monitoring & Controlling through RS232/485, TCP/IP & FSK
- Tricolour LED Status Indicator to Identify BUC Status Instantly

- Output Sample Monitoring Port
- Built-In Waveguide Output Isolator
- Built-In Harmonic Reject Filter

### Optional Features & Accessories

- Built-In 10 MHz Reference with Automatic 10 MHz External Reference Input Detector
- Handheld Terminal for M&C
- TCP/IP M&C Interface
- FSK M&C Interface

### Frequency Range

	RF (GHz)	IF (MHz)	LO (MHz)
Std C	5.85 - 6.425	950-1525	7375 / 4900
Ext-Palapa	6.365 - 6.725	1075-1435	7800 / 5290
Ext C	6.425 - 6.725	950-1250	7675 / 5475
Full C	5.85 - 6.725	950-1825	7675 / 4900
Insat C	6.725 - 7.025	965-1265	5760



ISO 9001



ISO 14001



ISO 45001



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## Technical Details

### RF Specifications

Input / Output Frequency	As per the frequency table on front page
Output Power P <sup>-1dB</sup> W(dBm)	300 (54.8)
Output Power P <sub>SAT</sub> W(dBm)	400 (56)
Gain	75 dB nominal
Gain Flatness	±2dB typical
Gain Stability over Temperature	±2dB
Gain Control Range	20dB
Intermodulation Product	-25dBc max (3dB total back-off from rated power)
Spurious	-55 dBc max
Frequency Stability over Temperature:	
Internal Reference	±0.02 ppm
External Reference	As per external 10 MHz ref
Level	0 to 5 dBm; Unit will automatically switch to internal reference if external reference level falls below 0 dBm nominal*
Phase Noise:	
100 Hz	-60 dBc/Hz max
1 KHz	-70 dBc/Hz max
10 KHz	-80 dBc/Hz max
100 KHz	-90 dBc/Hz max
I/P VSWR	1.8 : 1 max
O/P VSWR	1.3 : 1 max

### Operating Power Requirement

Operating Voltage	200 to 240 VAC
Power Consumption (Watts)	2200 max

### Interfaces

IF input Interface	N type
Output Interface	CPR 137G

### LED Status

Green	Normal
Red	Fault
Blue	PA Off

### Monitor & Control

Monitor	Lock / Unlock status Temperature reading RF output power reading
Control	SSPA On/Off Gain adjustment
Interface	Via PC : RS 232/485 (TCP-IP option available) Via Modem : FSK option available Via Hand-Held terminal : RS 232 option available

### Redundancy

External Redundancy Controller required

### Input Reference

Frequency Reference	10 MHz to be supplied external via L-band cable (Internal 10 MHz ref option available)
Level	-5 to +5 dBm

### Environmental Conditions

Temperature	-40°C to +55°C
Humidity	0 to 100%

### Mechanical

Dimensions	575L x 455W x 205H mm / 22.6L x 17.9W x 8H inches
Weight	39 kg / 86 lb

\*Applicable to internal reference model only

*\*All specifications & designs are subject to changes without notice*

*Version 2302*