



10W, 20W, 25W

AM-9335 Series C-Band BUC

Small BUCs, Big Benefits Revolutionized Engineering Design

Key Features & Benefits

- Impressive Gain & Gain Flatness
- High Frequency Stability
- Monitoring & Controlling through RS232/485, TCP/IP & FSK
- Tricolour LED Status Indicator to Identify BUC Status Instantly
- Water-Proof IP65 Standard
- Low Power Consumption
- Light Weight

Optional Features & Accessories

- Built-In Reference
- Handheld Terminal for M&C
- TCP/IP M&C Interface
- 24/48 VDC Operable
- Remote Mounting Kit

Frequency Range (MHz)

	RF	IF	LO
Std C	5850 - 6425	950-1525	7375 / 4900
Ext-Palapa	6365 - 6725	1075-1435	7800 / 5290
Ext C	6425 - 6725	950-1250	7675 / 5475
Full C	5850 - 6725	950-1825	7675 / 4900
Insat C	6725 - 7025	965-1265	5760



Cert No. E08093



ISO 9001



ISO 14001



OHSAS 18001



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Technical Details

RF Specifications

Input / Output Frequency	As per the frequency table on front page
Output Power P-1dB W(dBm)	10 (40), 20 (43), 25 (44)
Gain	65 / 68 / 69 dB nominal
Gain Flatness	±3dB typical
Gain Stability over Temperature	±3dB
Gain Control Range	20dB
Intermodulation Product	-25 dBc max (3dB total back-off from rated power)
Spurious	-55 dBc max
Frequency Stability over Temperature:	
Internal Reference	± 0.5 ppm
External Reference	As per external 10MHz ref
Phase Noise:	
100 Hz	-63 dBc/Hz max
1 KHz	-73 dBc/Hz max
10 KHz	-83 dBc/Hz max
100 KHz	-93 dBc/Hz max
I/P VSWR	1.5 : 1 max
O/P VSWR	2 : 1 max

Operating Power Requirement

Operating Voltage	220 VAC (24 VDC, 48 VDC optional)
Power Consumption (Watts)	100 / 160 / 160 max

Interfaces

IF input interface	F-type or 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 ref option available)
Level	-5 to +5 dBm

Environmental Conditions

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

Mechanical

Dimensions	175L x 130W x 115H mm / 7L x 5.2W x 4.5H inches
Weight	2.5 kg / 5.5 lbs

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

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