



40W, 50W, 60W, 80W, 100W

AM-9338 Series C-Band BUC

All-In-One Package for Crucial VSAT Networks

Key Features & Benefits

- Integrated BUC for Better Performance & Reliability
- Monitoring & Controlling through RS232/485, TCP/IP & FSK
- Tricolour LED Status Indicator to Identify BUC Status Instantly
- Field Removable Fans for Easy Maintenance
- High Frequency Stability
- Low Power Consumption
- Water-Proof IP65 Standard
- Output Sample Port

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
- 48 VDC Operable

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
Insat C (Inverted)	6725 - 7025	1150-1450	8175



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)	40 (46), 50 (47), 60 (48), 80 (49), 100 (50)
Gain	80 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	-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	1.3 : 1 max

Operating Power Requirement

Operating Voltage	200 to 240 VAC (48 VDC optional)
Power Consumption (Watts)	300 / 375 / 400 / 425 / 570 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	300L x 200W x 150H mm / 11.8L x 7.9W x 5.9H inches
Weight	10 kg / 22 lbs

*Applicable to internal reference model only

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

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