



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 Monitoring 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

| | 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-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 lb |

*Applicable to internal reference model only

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

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