



**50W, 100W, 150W, 200W GaAs
300W, 400W GaN**

AM-9350 Series C-Band BUC Rack Mount

Features

- High Gain & linearity
- Low Spurious Levels
- Temperature Gain Compensation
- Automatic Over Temperature Shutdown
- Easy Installation & Configuration
- RF Output Sample Port
- Redundancy Ready for 1:1 Without External Controller
- Built-In Isolator & Harmonics Reject Filter

Applications

- Broadcast
- Video Conferencing
- Rural Telephony
- Emergency Link Restoration
- Point-of-Sales
- Hub & VSAT Terminals

Enhanced Monitoring & Control

- Offers M&C via RS232/485, SNMP, Web Interface
- Features Full Remote M&C through Windows Using PC which Include Tx Level Monitoring, Temperature Monitoring, RF Inhibit Selection, Gain Control and Automatic Fault Identification & Alarm

Reliability

- Able to Withstand Temperature Ranging from 0°C to +50°C with up to 5~95% Humidity Non Condensing

Quality Assurance

- Intensive Active Electrical Stress Screening with Performance Being Monitored During Screening

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

Transmit

Output P ^{-1dB} W (dBm)	50 (47), 100 (50), 150 (52), 200 (53)
Output Power P _{SAT} W(dBm)	300 (55), 400 (56)
Gain (dB)	70
Power Consumption (VA)	50 (300), 100 (700), 150 (1000) 200 (1200), 300 (1800), 400 (2200)
Gain Flatness Over Full BW	±1.0 dB max
Gain Slope Over 36 MHz	±0.3 dB max
Gain Stability Over Temperature	±1.5 dB max
Gain Control Range	0-20 dB
Input VSWR	1.25:1 max
Output VSWR	1.3:1 max
Inter-modulation	-25 dBc max
(with 2 carriers each, 6dB BO, ±1MHz apart)	
Harmonics (@P ^{-1dB})	-60 dBc max at rated output
Spurious (@P ^{-1dB})	-55 dBc max at rated output
Maximum Input Power	+10 dBm (without damage)
Display	24 x 2 LCD Display (Rack Mount BUC)
Power Supply	90 ~ 240 VAC

Interface

RF Input	50Ω N-Type Female
RF Output	CPR137G (50W ~ 400W)

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

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

Operating Temperature	0°C to + 50°C
Relative Humidity	Up to 95°C (Non-condensing)

Mechanical

Size	482.6 mm / 19 inches rack, 3 RU height (50W to 200W) 482.6 mm / 19 inches rack, 4 RU height (250W to 400W)
Weight	25.0 kg / 55.1 lb (50W to 200W) 34.0 kg / 75 lb (250W to 400W)

Compliance Standard

IEC 60950C	International Safety Standard for Information Technology Equipment
ETSI EN 300 673	Electromagnetic Compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) Standard for Very Small Aperture Terminal (VSAT)

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