

Wideband RF Power Amplifier CRF-PA-26.5G40G-50W	Frequency Range 26.5 – 40 GHz	Connector Input: 2.92mm-F Output: WR28
	Rated Output Power 50 W	Package Size 478 x 432 x 177 mm

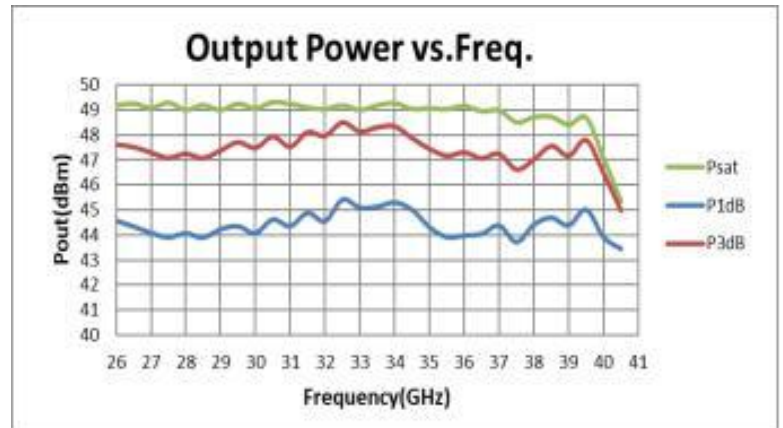
Electrical Characteristics

Test conditions: 50Ω system, unless otherwise specified.

Parameter	Min	Typ	Max	Units
Frequency Range		26.5 – 40 GHz		
Gain	47			dB
Output P1 Power	25			W
Gain Flatness			±6	dB
Input VSWR			2 : 1	
Input Power			0	dBm
Rated Output Power	50			W
Power Supply		AC 220V±10%,50/60Hz		
Power Consumption			1200	W
Harmonics			-20	dBc
Spurious			-60	dBc
RF Connectors In/Out		Input: 2.92mm-F Output: WR28		
Coupling Connector		2.92mm-F		
Control Interface		Ethernet / GPIB		
Dimensions		480 x 432 x 177 mm		
Impedance		50		Ω
Storage Temperature	-15		65	°C
Operating Temperature	0		50	°C
Cooling Method		Forced air cooling		
Application		Test & measurement / communication / interference / aviation control		
Built-in protection		over-voltage, over-current, open/short circuit, over-temperature (Alarm threshold: 75°C), over-drive and VSWR (Alarm threshold: 4:1).		

Appearance and Typical Performance

Front panel layout and typical saturated output power (P_{sat}) characteristics.



Model CRF-PA-26.5G40G-50W	Package Size 480 x 432 x 177 mm	Weight 23kg
Connector Reference RF IN: 2.92mm-F RF OUT: WR28 Control: Ethernet / GPIB	Power / Cooling Supply: AC 220 V ±10%, 50/60 Hz Cooling: Forced air cooling	Release Note Mechanical drawing is provided for installation reference. Final dimensions are subject to the production unit.

Applications Test & measurement / communication / interference / aviation control	Customization Optional built-in or external bidirectional coupler is available.
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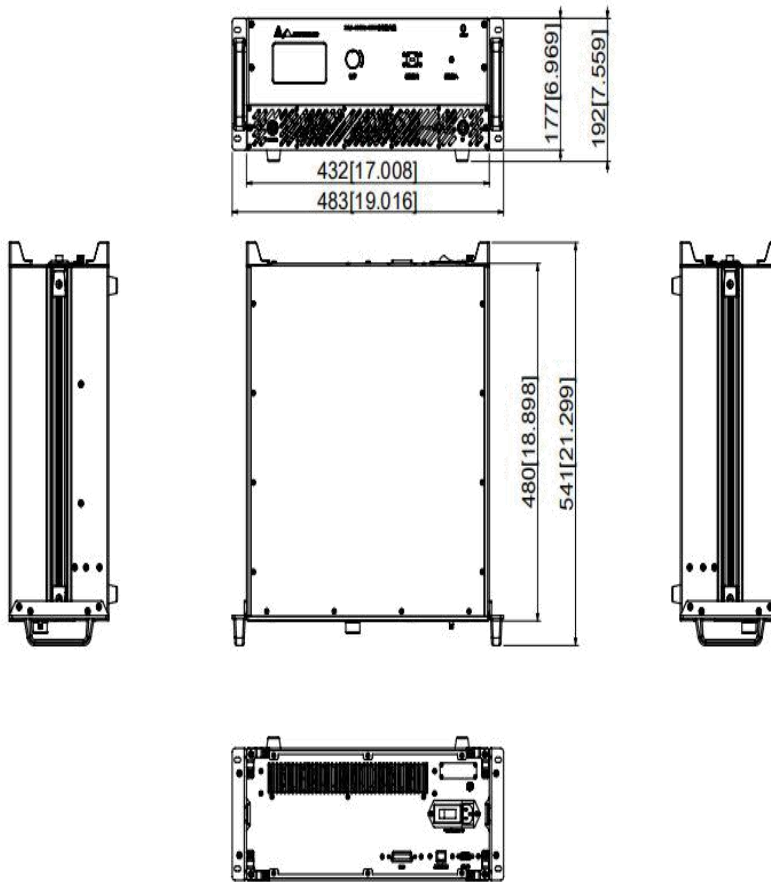
Compliance / Quality Framework

RoHS Compliant	CE / FCC	ISO 9001	GJB 9001C
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Test data and pattern files can be supplied for project review where applicable.

Mechanical Outline

Complete outline drawing shown below for clear integration reference.



Gain & VSWR Characteristics

Power gain and input VSWR versus frequency.

