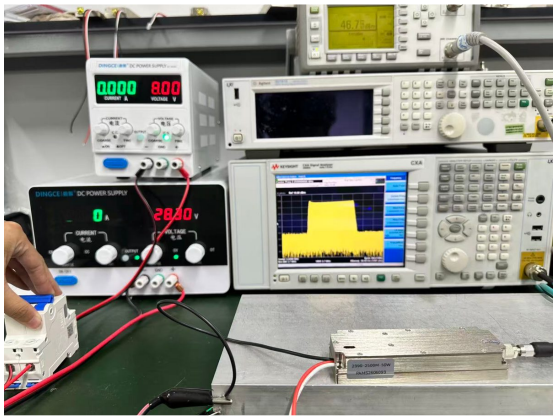
VOLAER AMP

RF Power Amplifier Module

TECHNICAL DATASHEET

RR-2.5G-50W - Copy

2390 – 2500 MHz · 50 W



KEY SPECIFICATIONS

FREQUENCY RANGE	OUTPUT POWER
2390 – 2500 MHz	50 W ≥ 47 dBm
EFFICIENCY	**RF CONNECTOR**
≥ 50%	N-Type
DIMENSIONS (L × W × H)	**WEIGHT**
130 × 48 × 22.1 mm	1.69 kg

Frequency & bandwidth customizable — contact us for custom configurations. Built to order from MOQ 1 pc.

SPECIFICATIONS

RF PERFORMANCE

Frequency range	2390 – 2500 MHz
Output power	50 W (≥ 47 dBm)
In-band gain flatness	≤ ±1.5 dB
EVM	≤ 5%
Efficiency	≥ 50%
Output VSWR tolerance	≤ 10:1

ELECTRICAL

Operating voltage	28 V DC (24 – 32 V)
Enable voltage	28 V (customizable)
Power interface	Flying leads (Red: +28 V, Black: GND, White: Enable)

MECHANICAL

RF connector	N-Type
Dimensions (L × W × H)	130 × 48 × 22.1 mm
Weight	1.69 kg

ENVIRONMENTAL

Operating temperature	−40 – +55 °C
Storage temperature	−40 – +85 °C
Relative humidity	5% – 95% RH, non-condensing

CONTACT

Email: michelle@volaer-amp.com

WhatsApp: +86 15766274516

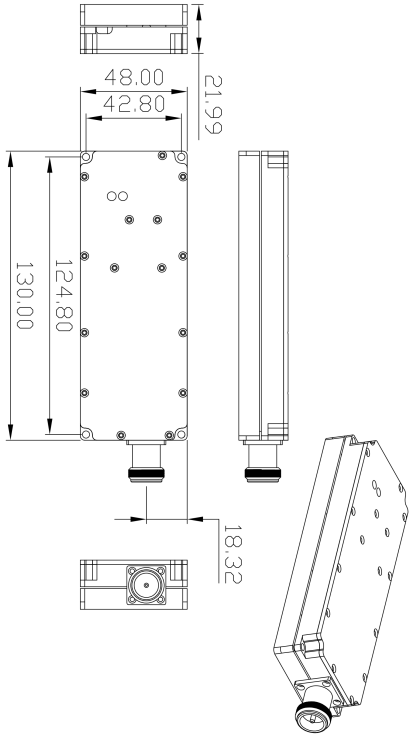
Web: preview.volaer-amp.com

Specifications are subject to change without notice. Contact us for test reports and qualification documentation.

Rev. Nov 6, 2026

Scan for the live product page

MECHANICAL DRAWING



Outline 130 × 48 × 22.1 mm.

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