

Wideband SDR Digital RF Source Module CRF-SDR-100M6000M-200M	Frequency Range 100 - 6,000 MHz Max Real-Time Bandwidth 200 MHz	Supply Voltage 9 - 32 VDC Package Size 60 × 140 × 14 mm
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Electrical Characteristics

Test conditions: T_{case} = 25°C, V_{supply} per model, 50Ω system, unless otherwise specified.

Parameter	Min	Typ	Max	Units
Frequency Range		100 - 6,000		MHz
Max Real-Time Bandwidth		200		MHz
Output Dynamic Range		> 25		dB
Max Output Power		> 0		dBm
VSWR			< 2.5	
Output Power Variation			< 1	dB
Frequency Accuracy			< 0.1	MHz
Out-of-Band Suppression			> 40	dB
Supply Voltage	9		32	VDC
Current Consumption			≤ 0.5	A @ 9 V
Standby Power			< 5	W
Upgrade Interface		RS422		
Communication Interface		RS422		
RF Output Connector		SMA		
Interference Source		Built-in multiple sources		
Operating Temperature	-40		+70	°C
Storage Temperature		Not specified		
Dimensions		60 × 140 × 14		mm
Weight			< 0.2	kg

Typical Control Interface

Representative host software interface and control logic for the corresponding module.



Interface note: The uploaded host software screenshot and supported waveform / protocol list are retained for project review.

Applications
Counter-UAS / RF source / protocol interference / system integration

Customization
Custom protocol libraries, center frequencies, interface settings and integration details are available. CorelixRF engineering team can provide feasibility reviews within 48 hours.

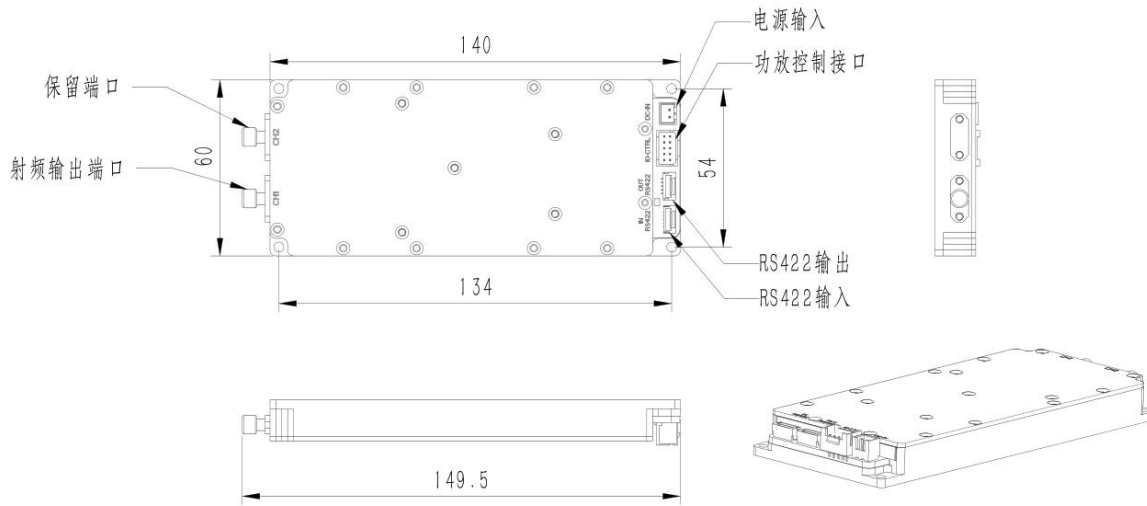
Compliance / Quality Framework

RoHS Compliant	CE / FCC	ISO 9001	GJB 9001C
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MTBF: Reliability data available on request. Environmental and validation data can be supplied for project review where applicable.

Mechanical Outline

Complete outline drawing shown below for clear integration reference.



Model CRF-SDR-100M6000M-200M	Package Size 60 × 140 × 14 mm	Weight < 0.2 kg
Connector Reference RF OUT: SMA Control / Upgrade: RS422 Power: DC IN	Power Supply 9 - 32 VDC Current Consumption ≤ 0.5 A @ 9V	Release Note Mechanical drawing is kept fully visible for easier dimensional review and connector / interface confirmation.