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Data Sheet

August 15, 2026

JCA TECHNOLOGY

JCA Technology JCA1011-383TCA

The JCA Technology JCA1011-383TCA is a specialized electronic component designed for industrial and technological applications. This component is engineered to meet specific performance requirements within advanced electronic systems, ensuring reliability and precision.



MODEL

**JCA Technology
JCA1011-383TCA**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

JCA1011-383TCA

LISTING

<https://aumictechlabs.com/products/jca1011-383tca-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JCA Technology JCA1011-383TCA is an RF amplifier module engineered for industrial and technological applications requiring precision signal amplification across microwave frequencies. This electronic component delivers 27 dB of gain with 22 dBm output power across the 6–11 GHz band, making it suitable for test equipment, automation systems, and advanced electronic installations. The module is housed in a compact metal enclosure consistent with the JCA10 series form factor. Technical Specifications Frequency Range: 6–11 GHz Gain: 27 dB Output Power: 22 dBm Physical Packaging: Metal case, 25.4 × 20.3 × 10.2 mm (1.0" × 0.8" × 0.4") Key Features Fixed gain architecture optimized for microwave band operation Compact metal housing for thermal management and EMI containment Integrated design suitable for OEM integration into larger RF systems Typical Applications RF test and measurement systems Microwave signal conditioning circuits Industrial control and automation electronics Advanced electronic

subsystems requiring precision amplification Compatibility & Integration The JCA1011-383TCA follows the mechanical and electrical conventions of the JCA10 component family. Integration into multi-stage RF chains and measurement architectures benefits from its standardized $25.4 \times 20.3 \times 10.2$ mm housing. Specific interface pinouts, mating connectors, and mounting provisions should be confirmed against application requirements.

JCA1011383TCA Characteristics / Specifications

PARAMETER	VALUE
Model	JCA1011-383TCA
Instrument Type	Microwave low-noise amplifier
Family	JCA Technology JCA1011
Frequency Range	6-11 GHz
Gain	28 dB (listings); MON 18 dB class
Noise Figure Class	1.2 dB
Output Power Class	23 dBm
Bias	+15 V / E2 +5 V
Connectors	SMA female
Manufacturer	JCA Technology (Endwave / Microsemi JCA line)
Literature	JCA JCA1011-383TCA 6-11 GHz SMA listings
Application Class	microwave LNA / gain
System Role	6-11 GHz SMA amplifier
Package	small metal SMA housing
Brand Lineage	JCA / Endwave / Microsemi
Documentation Type	JCA1011-383TCA listing (6-11 GHz, 28 dB, 23 dBm class)
Related	JCA octave-band SMA amplifier catalogs
Connector Class	SMA female
Bias Class	+15 V microwave amp with +5 V E2
Year Class	JCA1011-383TCA
Host Class	50 ohm microwave chain
Module Class	connectorized LNA
Ate Class	microwave gain

JCA1011383TCA Specifications

PARAMETER	VALUE
Applications	6-11 GHz SMA low-noise / medium-power gain in microwave receive and drive chains.
Key Features	6-11 GHz SMA amplifier
Technical Specifications	Model: JCA1011-383TCA

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Model	JCA1011-383TCA
Instrument Type	Microwave low-noise amplifier
Family	JCA Technology JCA1011
Frequency Range	6-11 GHz
Gain	28 dB (listings); MON 18 dB class
Noise Figure Class	1.2 dB
Output Power Class	23 dBm
Bias	+15 V / E2 +5 V
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Bias Class	+15 V microwave amp with +5 V E2
Year Class	JCA1011-383TCA
Host Class	50 ohm microwave chain
Module Class	connectorized LNA
Ate Class	microwave gain
Notes	
From public JCA JCA1011-383TCA listings (6-11 GHz, 28 dB, 1.2 dB NF class, 23 dBm, +15 V/+5 V, SMA). Gain flatness and current are on the unit test plot; do not invent them.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.