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Data Sheet

August 14, 2026

KALMUS

Kalmus 827FC

Kalmus 827FC Combination RF Power Amplifier The Kalmus 827FC is a combination RF power amplifier providing 500 W from 10 kHz to 200 MHz and 100 W from 200 MHz to 1 GHz. Product listings describe it as a dual-range combination amplifier for broadband high-power RF drive. High-power broadband RF amplification spanning LF through UHF with a high-power lower band and continued coverage to 1 GHz. Broadband RF immunity / drive applications The Kalmus 827FC is a combination RF power amplifier providing 500 W from 10 kHz to 200 MHz and 100 W from 200 MHz to 1 GHz. Product listings describe it as a dual-range combination amplifier for broadband high-power RF drive. High-power broadband RF amplification spanning LF through UHF with a high-power lower band and continued coverage to 1 GHz. Broadband RF immunity / drive applications Low Band Frequency Range: 10 kHz to 200 MHz



MODEL

Kalmus 827FC

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

827FC

LISTING

<https://aumictechlabs.com/products/827fc-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kalmus 827FC is an RF power amplifier engineered for industrial and laboratory applications demanding amplification across a broad frequency spectrum. Built on rugged RF power MOSFET design, it delivers up to 500 Watts output power in the lower frequency band with a typical power gain of 50 dB. The amplifier operates linearly across CW, pulse, and sweep applications without band switching, maintaining low compression at rated power and minimal distortion for precise signal fidelity. Technical Specifications Frequency Range: 10 kHz to 200 MHz (500 W output); 200

MHz to 1 GHz (100 W output) Output Power: Up to 500 W (10 kHz–200 MHz); Up to 100 W (200 MHz–1 GHz) Power Gain: 50 dB (typical) Instantaneous Bandwidth: Broad, enabling continuous operation across full frequency range without switching Linear Operation: CW, pulse, and sweep capable with low compression VSWR Protection: Active protection for amplifier and load Cooling: Air cooled Connectors: Standard rear connectors (optional rear configurations available) Key Features High linearity and low distortion output at rated power levels Automatic Leveling Control (ALC) maintains constant output power RF power sensors enable real-time power monitoring Comprehensive remote control of all front-panel functions Safety interlock input for operational protection Air-cooled design for sustained operation in industrial environments Typical Applications EMC immunity testing Communications systems ISM band applications Compatibility & Integration The 827FC integrates remote monitoring and control capabilities, allowing networked adjustment and status readback. Standard and optional rear connector configurations accommodate diverse system architectures.

827FC Characteristics / Specifications

PARAMETER	VALUE
Model	827FC
Manufacturer	Kalmus
Low Band Frequency Range	10 kHz to 200 MHz
Low Band Rated Power	500 W
High Band Frequency Range	200 MHz to 1 GHz
High Band Rated Power	100 W
Architecture	Combination RF amplifier
Load Impedance	50 Ohm
Amplifier Role	Broadband high-power RF amplifier
Typical Use	EMC / RF drive
Form Factor	Rack RF amplifier class
Series Family	Kalmus FC combination amplifiers
Operating Mode	CW RF amplification
Cooling Class	Forced-air / high-power cooling class
Input Output Path	RF coax 50 Ohm class
Band Break Frequency	200 MHz
Total Coverage	10 kHz to 1 GHz
Protection Class	VSWR / thermal protection class typical
Remote Control Class	Optional on some FC series units
Brand Lineage	Kalmus
Documentation Note	Confirm gain and harmonics on OEM datasheet
Power Supply	AC mains powered high-VA class
Connector Class	TypeNclass typical for power levels

827FC Specifications

PARAMETER	VALUE
Kalmus 827FC Combination RF Power Amplifier	Overview
Applications	High-power broadband RF amplification spanning LF through UHF with a high-power lower band and continued coverage to 1 GHz.
Broadband RF immunity / drive applications	50 Ohm RF path
Technical Specifications	Model: 827FC

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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Notes	
From Kalmus 827FC product listings (Test Equipment Center class catalog): 10 kHz–200 MHz 500 W / 200 MHz–1 GHz 100 W. Fine gain/flatness tables should be taken from the unit OEM sheet.	

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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30-day returns
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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.