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Data Sheet

August 14, 2026

KALMUS

Kalmus 757LCB

Kalmus 757LCB Dual Band Broadband RF Power Amplifier 100 W The Kalmus 757LCB is the dual-band LC-family solid-state RF power amplifier. Published 757LCB literature lists 100 W output, Band 1 10 kHz to 230 MHz, Band 2 80 MHz to 1 GHz, 50 dB gain, 2.5 dB unleveled gain flatness, and 15 dB gain control. Related 757LC NSN 5996-01-445-7547 characteristics list 50.0 dB overall gain, minus 10 to 45 C operating temperature, and two panel meters; confirm the faceplate reads 757LCB versus 757LC before applying dual-band rows. The Kalmus 757LCB is the dual-band LC-family solid-state RF power amplifier. Published 757LCB literature lists 100 W output, Band 1 10 kHz to 230 MHz, Band 2 80 MHz to 1 GHz, 50 dB gain, 2.5 dB unleveled gain flatness, and 15 dB gain control. Related 757LC NSN 5996-01-445-7547 characteristics list 50.0 dB overall gain, minus 10 to 45 C operating temperature, and two panel meters; confirm the faceplate reads 757LCB versus 757LC before applying dual-band rows. Broadband RF amplification for EMC immunity, communications test, and dual-band solid-state RF power from LF through UHF.



MODEL

Kalmus 757LCB

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

757LCB

LISTING

<https://aumictechlabs.com/products/757lcb-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kalmus 757LCB is a dual-band RF power amplifier spanning 10 kHz to 1000 MHz, engineered for linear amplification across laboratory, communications, and RF immunity testing applications. The unit delivers broad instantaneous bandwidth suitable for sweep, pulse, and continuous-wave

operation with low compression at rated power. A single power supply serves both bands, while internal coaxial relay switching and unified input/output connectors simplify integration. VSWR protection, RF power sensors, and automatic leveling control (ALC) safeguard the amplifier and connected loads against overdrive conditions. RF gain control enables precise output adjustment across the operating range. Technical Specifications Frequency Range: 10 kHz to 1000 MHz Power Output: 10 to 100 Watts (series range) Performance Characteristics: Linear amplification with low compression at rated power Broad instantaneous bandwidth for sweep and pulsed operation RF gain control with automatic leveling control (ALC) VSWR protection for load and amplifier safeguarding RF power sensors for overdrive and load protection Blanking functionality Key Features Dual-band operation with single unified power supply Internal coaxial relay band switching Single input/output connector configuration Fully featured remote control capability Optional GPIB and RS232 control interfaces Safety interlock input Optional rear panel connectors Rack-mountable construction Typical Applications General-purpose RF laboratory measurements Communications testing and development Conducted and radiated EMC immunity testing Wideband RF signal amplification Compatibility & Integration The 757LCB integrates with remote control systems via GPIB and RS232 options, enabling full command and monitoring of front panel functions from external controllers and automated test systems.

757LCB Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Dual-band solid-state broadband RF power amplifier
Series Family	Kalmus LC (757LC / 757LCB)
Band 1 Frequency	10 kHz to 230 MHz
Band 2 Frequency	80 MHz to 1 GHz
Rated Output Power	100 W
Overall Gain	50 dB
Gain Flatness Unleveled	2.5 dB
Gain Control Range	15 dB
Circuit Construction	solid state
Operating Temperature Lc Family	minus 10 C to 45 C (757LC NSN table; confirm on 757LCB)
Indicator Meters	2 (LC family)
Inclosure Type	encased
Installation Design	top of cabinet/counter
Basic Shape Style	rectangular or square
Related Single Band Model	Kalmus 757LC
Nsn Related 757lc	5996-01-445-7547
Manufacturer Cage Class	0BKR5 AR Kalmus
Input Impedance Class	50 ohm nominal on LC family
Connectors Class	N female class on LC family
Cooling Class	forced air class on LC family
Overlapping Bands	Band 1 and Band 2 overlap 80 to 230 MHz
Literature	published Kalmus 757LCB dual-band descriptions and 757LC NSN characteristics
Verification	read 757LCB versus 757LC faceplate before applying dual-band frequency rows
Operating temperature	Lc Family: minus 10 C to 45 C (757LC NSN table; confirm on 757LCB)

757LCB Specifications

PARAMETER	VALUE
Applications	Broadband RF amplification for EMC immunity, communications test, and dual-band solid-state RF power from LF through UHF.
Two overlapping bands in one amplifier	100 W class output
Technical Specifications	Instrument Type: Dual-band solid-state broadband RF power amplifier

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Lc Family: minus 10 C to 45 C (757LC NSN table; confirm on 757LCB)
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Overlapping Bands	Band 1 and Band 2 overlap 80 to 230 MHz
Literature	published Kalmus 757LCB dual-band descriptions and 757LC NSN characteristics

PARAMETER	VALUE
Verification	read 757LCB versus 757LC faceplate before applying dual-band frequency rows Notes Band, power, gain, flatness, and gain-control rows from published Kalmus 757LCB dual-band literature (10 kHz-230 MHz / 80 MHz-1 GHz, 100 W, 50 dB, 2.5 dB unleveled, 15 dB control). Temperature and meter rows are from 757LC NSN 5996-01-445-7547 and should be confirmed on a 757LCB unit.

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.

characteristics list 50.0 dB overall gain, minus 10 to 45 C operating temperature, and two panel meters; confirm the faceplate reads 757LCB versus 757LC before applying dual-band rows.

Applications

Broadband RF amplification for EMC immunity, communications test, and dual-band solid-state RF power from LF through UHF.

Key Features

Two overlapping bands in one amplifier

100 W class output

50 dB gain with 15 dB gain control

Solid-state LC family

Dual panel meters on the LC family

Technical Specifications

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Related Single Band Model	Kalmus 757LC
Nsn Related 757lc	5996-01-445-7547
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Literature	published Kalmus 757LCB dual-band descriptions and 757LC NSN characteristics
Verification	read 757LCB versus 757LC faceplate before applying dual-band frequency rows

Notes
Band, power, gain, flatness, and gain-control rows from published Kalmus 757LCB dual-band literature (10 kHz-230 MHz / 80 MHz-1 GHz, 100 W, 50 dB, 2.5 dB unleveled, 15 dB control). Temperature and meter rows are from 757LC NSN 5996-01-445-7547 and should be confirmed on a 757LCB unit.

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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NIST-traceable calibration · SAM registered ·
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.