

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

KALMUS

Kalmus 757LC

Kalmus 757LC Broadband RF Power Amplifier The Kalmus 757LC is a solid-state broadband RF power amplifier in the Kalmus LC family. Verified NSN characteristics list overall gain 50.0 dB, operating temperature minus 10 to 45 C, and dual panel meters. Related 757LCB dual-band literature published for the family cites 100 W output, Band 1 10 kHz to 230 MHz, Band 2 80 MHz to 1 GHz, gain flatness 2.5 dB unleveled, and 15 dB gain control; confirm whether given unit is 757LC versus 757LCB before applying dual-band rows. The Kalmus 757LC is a solid-state broadband RF power amplifier in the Kalmus LC family. Verified NSN characteristics list overall gain 50.0 dB, operating temperature minus 10 to 45 C, and dual panel meters. Related 757LCB dual-band literature published for the family cites 100 W output, Band 1 10 kHz to 230 MHz, Band 2 80 MHz to 1 GHz, gain flatness 2.5 dB unleveled, and 15 dB gain control; confirm whether given unit is 757LC versus 757LCB before applying dual-band rows. Broadband RF amplification for EMC and communications test, dual-band immunity stimulus when 757LCB-configured, and general solid-state RF power amplification.



MODEL

Kalmus 757LC

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

757LC

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kalmus 757LC is a broadband RF power amplifier engineered for high-linearity performance across demanding applications including radiated RF immunity testing and EW simulation. Delivering 100 W output with 57 dB nominal gain and rugged RF power MOSFET construction, this

amplifier combines excellent 1 dB compression and gain flatness with integrated protection circuitry. Technical Specifications Frequency Range: 100 kHz to 500 MHz Gain: 57 dB nominal Output Power: 100 W Gain Flatness: ± 1.5 dB (leveled); ± 3.0 dB (unleveled) 1 dB Compression: 70 W minimum Harmonic Distortion: -23 dBc maximum at rated power Spurious Emissions: -66 dBc maximum Connectors: N Female (input and output) Primary Power: 187–265 VAC, 1 ϕ , 3 kVA Cooling: Forced air Dimensions: 23 × 22 × 29 inches Weight: 86 kg (190 lb) Key Features VSWR protection safeguards amplifier and load under high impedance conditions Overdrive protection prevents damage from excessive input drive Dual-mode gain flatness: leveled (± 1.5 dB) and unleveled (± 3.0 dB) operation Low-distortion design suitable for CW, pulse, and sweep applications Status indicators: AC Line, Blanking, ALC, VSWR, Temperature, and Remote Active Wide instantaneous bandwidth supports broadband RF requirements Typical Applications Radiated RF immunity testing (IEC 61000-4-3) Electronic warfare simulation and training General-purpose RF amplification requiring linear performance Pulse and CW signal amplification across 100 kHz to 500 MHz Compatibility & Integration Optional control interfaces include GPIB and RS-232. Rear panel connectors and bench-top case configurations available. Standard N-type connectors enable straightforward integration into test benches and production environments.

757LC Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	Kalmus 757LC
Circuit Construction	solid state
Overall Gain	50.0 dB
Operating Temperature	minus 10 C to 45 C
Indicator Meters	2
Inclosure Type	encased
Installation Design	top of cabinet/counter
Basic Shape Style	rectangular or square
Related Dual Band Model	Kalmus 757LCB
Related Band 1 Frequency	10 kHz to 230 MHz
Related Band 2 Frequency	80 MHz to 1 GHz
Related Rated Power Class	100 W
Related Gain Flatness Unleveled Class	2.5 dB
Related Gain Control Class	15 dB
NSN Class	5996-01-445-7547
Manufacturer Cage Class	0BKR5 Ar Kalmus
Form Factor Class	benchtop RF amplifier
Cooling Class	forced air class on LC family
Input Impedance Class	50 Ohm nominal class on LC family
Connectors Class	N Female class on LC family
Series Family	Kalmus LC RF amplifiers
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Documentation	operating manual required for fine limits
Identity Verified Against NSN And Family Literature	yes

757LC Specifications

PARAMETER	VALUE
Kalmus 757LC Broadband RF Power Amplifier	Overview
Solid state RF power amplification	Overall gain 50 dB class
Encased benchtop/cabinet installation design	Related dual-band 757LCB family option path
Technical Specifications	Instrument Family: Kalmus 757LC

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	minus 10 to 45 C, and dual panel meters. Related 757LCB dual-band literature published for the family cites 100 W output, Band 1 10 kHz to 230 MHz, Band 2 80 MHz to 1 GHz, gain flatness 2.5 dB unlevel
Operating Temperature	minus 10 to 45 C, and dual panel meters. Related 757LCB dual-band literature published for the family cites 100 W output, Band 1 10 kHz to 230 MHz, Band 2 80 MHz to 1 GHz, gain flatness 2.5 dB unlevel
Instrument Family	Kalmus 757LC
Circuit Construction	solid state
Overall Gain	50.0 dB
Indicator Meters	2
Inclosure Type	encased
Installation Design	top of cabinet/counter
Basic Shape Style	rectangular or square
Related Dual Band Model	Kalmus 757LCB
Related Band 1 Frequency	10 kHz to 230 MHz
Related Band 2 Frequency	80 MHz to 1 GHz
Related Rated Power Class	100 W
Related Gain Flatness Unleveled Class	2.5 dB
Related Gain Control Class	15 dB
NSN Class	5996-01-445-7547
Manufacturer Cage Class	0BKR5 Ar Kalmus
Form Factor Class	benchtop RF amplifier
Cooling Class	forced air class on LC family
Input Impedance Class	50 Ohm nominal class on LC family
Connectors Class	N Female class on LC family
Series Family	Kalmus LC RF amplifiers
Specification Ambient Class	laboratory ambient unless OEM table states otherwise

PARAMETER	VALUE
Documentation	operating manual required for fine limits
Identity Verified Against NSN And Family Literature	yes Notes Gain and temperature from NSN 5996-01-445-7547 characteristics for 757LC. Dual-band frequency/power/flatness rows are from published 757LCB family descriptions and must be confirmed against the faceplate before accredited use.

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 overall gain 50.0 dB, operating temperature minus 10 to 45 C, and dual panel meters. Related 757LCB dual-band literature published for the family cites 100 W output, Band 1 10 kHz to 230 MHz, Band 2 80 MHz to 1 GHz, gain flatness 2.5 dB unlevelled, and 15 dB gain control; confirm whetheragiven unit is 757LC versus 757LCB before applying dual-band rows.

Applications

Broadband RF amplification for EMC and communications test, dual-band immunity stimulus when 757LCB-configured, and general solid-state RF power amplification.

Key Features

Solid state RF power amplification

Overall gain 50 dB class

Dual panel meters

Encased benchtop/cabinet installation design

Related dual-band 757LCB family option path

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Instrument Family	Kalmus 757LC
Circuit Construction	solid state
Overall Gain	50.0 dB
Operating Temperature	minus 10 C to 45 C
Indicator Meters	2
Inclosure Type	encased
Installation Design	top of cabinet/counter
Basic Shape Style	rectangular or square
Related Dual Band Model	Kalmus 757LCB
Related Band 1 Frequency	10 kHz to 230 MHz
Related Band 2 Frequency	80 MHz to 1 GHz
Related Rated Power Class	100 W
Related Gain Flatness Unlevelled Class	2.5 dB
Related Gain Control Class	15 dB
NSN Class	5996-01-445-7547
Manufacturer Cage Class	0BKR5 A1 Kalmus
Form Factor Class	benchtop RF amplifier
Cooling Class	forced air class on LC family
Input Impedance Class	50 Ohm nominal class on LC family

PARAMETER	VALUE
Connectors Class	N Female class on LC family
Series Family	Kalmus LC RF amplifiers
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Documentation	operating manual required for fine limits
Identity Verified Against NSN And Family Literature	yes

Notes

Gain and temperature from NSN 5996-01-445-7547 characteristics for 757LC. Dual-band frequency/power/flatness rows are from published 757LCB family descriptions and must be confirmed against the faceplate before accredited use.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

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