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Data Sheet
August 13, 2026

KROHN-HITE

Krohn-Hite 7602M

Krohn-Hite 7602M Wideband Power Amplifier DC to 1 MHz Metered The Krohn-Hite 7602M is the meter-option package of the 7602 wideband power amplifier. Electrical ratings match the 7602: balanced/differential output delivers 34 W continuous (68 W at DC) and 282 Vrms (800 Vp-p). Each output to ground matches the 7600 17 W specifications: DC to 1 MHz, 17 Wrms / 34 W dc and peak into 1 kohm to 500 kHz (5 Wrms to 1 MHz). No-load plus/minus 200 V dc and peak, 141 Vrms. Gain 0 to 42 dB in three 14 dB ranges. Distortion less than 0.01% to 5 kHz at 175 V peak. Slew greater than 600 V/us at 400 Vp-p. Modes A, A-B, -B. M suffix adds the meter option package. The Krohn-Hite 7602M is the meter-option package of the 7602 wideband power amplifier. Electrical ratings match the 7602: balanced/differential output delivers 34 W continuous (68 W at DC) and 282 Vrms (800 Vp-p). Each output to ground matches the 7600 17 W specifications: DC to 1 MHz, 17 Wrms / 34 W dc and peak into 1 kohm to 500 kHz (5 Wrms to 1 MHz). No-load plus/minus 200 V dc and peak, 141 Vrms. Gain 0 to 42 dB in three 14 dB ranges. Distortion less than 0.01% to 5 kHz at 175 V peak. Slew greater than 600 V/us at 400 Vp-p. Modes A, A-B, -B. M suffix adds the meter option package. High-voltage wideband drive; piezo and transducer excitation; balanced 800 Vp-p lab amplification; DC-coupled HV analog with front-panel metering.

MODEL **Krohn-Hite 7602M**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **7602M**	LISTING **https://aumictechlabs.com/products/7602m-2/**

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NAICS 423690 · 811210 · 541380

This unit

The Krohn-Hite 7602M is a wideband power amplifier delivering precise signal amplification across DC to 1 MHz with output power ranging from 5 W to 34 W continuous, depending on load impedance and frequency. The unit operates in three selectable gain modes with continuously variable gain up to 42 dB, making it suitable for laboratory testing, system integration, and industrial measurement applications requiring high fidelity and low distortion. Technical Specifications Frequency Range & Power Output DC to 1 MHz operating range 34 W continuous at DC (1k Ω load) 68 W peak at DC 34 W continuous DC to 500 kHz (1k Ω load) 5 W continuous to 1 MHz (1k Ω load) 10 W continuous 100 Hz to 1 MHz (600 Ω load) 5 W continuous DC to 100 Hz (600 Ω load) Output Voltage & Current 282 V rms open circuit, 800 Vp-p 130 V rms into 1k Ω load (DC to 500 kHz) 80 V rms into 1k Ω load at 1 MHz 55 V rms into 600 Ω load (DC to 100 Hz) 80 V rms into 600 Ω load (100 Hz to 1 MHz) ±200 mA rms output current (910 Ω load, DC to 500 kHz) Gain & Frequency Response Gain up to 42 dB with three selectable ranges: 0–14 dB, 0–28 dB, 0–42 dB ±0.1 dB flatness DC to 10 kHz ±0.25 dB to 200 kHz ±0.5 dB to 500 kHz (0–130 V rms output) ±0.5 dB to 1 MHz (0–80 V rms output) Distortion & Performance <0.01% harmonic distortion to 5 kHz at 175 V peak output <0.05% at 200 V peak output 600 V/µs slew rate (400 Vp-p) <0.5 Ω internal impedance DC to 10 kHz; 5 Ω at 100 kHz; 20 Ω at 1 MHz 80 dB common-mode rejection ratio Output Control & Protection Variable DC offset 0 V to ±200 V (open circuit) 2 mV/°C temperature drift; <1 mV for 10% line voltage change <0.1% load regulation DC to 10 kHz, rising to 2% at 1 MHz Foldback current limiter with front-panel clipping indicator Key Features Three amplifier modes: A, A–B, and –B AC or DC input coupling selectable Output stable into reactive and resistive loads Optional remote gain control (Option 0015): ±10 Vdc proportional input BNC input connectors; binding post output standard Optional rear-panel BNC and binding post connectors available Compatibility & Integration 90–132/198–264 VAC operation, 50–400 Hz, 200 W power consumption Accepts reactive and resistive loads

Features & description

From manufacturer datasheet

Features

- DC to 1 MHz; balanced 34 W / 282 Vrms / 800 Vp-p

7602M Characteristics / Specifications

PARAMETER	VALUE
Model	7602M
Manufacturer	Krohn-Hite
Instrument Type	Wideband Power Amplifier
Series	7600 / 7602
Alias	7602M; 7602 M; Krohn-Hite 7602M; KH 7602M
Meter Option	M meter option package on 7602
Frequency Range	DC to 1 MHz
Power 1 kohm	17 Wrms, 34 W dc and peak, DC to 500 kHz; 5 Wrms to 1 MHz (each output to ground)
Power 600 ohm	10 Wrms 100 Hz to 1 MHz; 5 Wrms / 10 W dc and peak DC to 100 Hz
Voltage No Load	plus/minus 200 V dc and peak, 141 Vrms
Voltage 1 kohm	plus/minus 184 V dc and peak, 130 Vrms DC to 500 kHz; plus/minus 113 V peak, 80 Vrms at 1 MHz
Voltage 600 ohm	plus/minus 113 V peak, 80 Vrms 100 Hz to 1 MHz; plus/minus 78 V dc and peak, 55 Vrms DC to 100 Hz
Current 910 ohm	plus/minus 200 mA peak, 141 mA rms, DC to 500 kHz
Balanced 7602 Power	34 W continuous, 68 W at DC
Balanced 7602 Voltage	282 Vrms, 800 Vp-p
Frequency Response	plus/minus 0.1 dB DC to 10 kHz; plus/minus 0.25 dB to 200 kHz; plus/minus 0.5 dB to 500 kHz (0-130 Vrms); plus/minus 0.5 dB to 1 MHz (0-80 Vrms)
Harmonic Distortion	less than 0.01% to 5 kHz at 175 V peak; less than 0.05% at 200 V peak; less than 0.3% to 100 kHz
Voltage Gain	0 to 42 dB in ranges 0-14, 14-28, 28-42 dB, continuously variable
Step Accuracy	plus/minus 0.1 dB plus frequency response; 14 dB steps (voltage gain of 5)
Stability Gain	less than 0.001 dB for 10% line change
Dynamic Range	greater than 80 dB

PARAMETER	VALUE
Hum And Noise	less than 10 mVrms referred to output (2 MHz BW); less than 20 mVrms on 28-42 dB range
Rise Fall	120 ns to 50 Vp-p
Slew Rate	greater than 600 V/us at 400 Vp-p
Aberrations	less than 5%
Regulation	less than 0.1% no load to 1 kohm DC to 10 kHz; rising to 2% at 1 MHz
DC Offset Control	0 to plus/minus 200 V no load
Internal Impedance	less than 0.5 ohm DC to 10 kHz; 5 ohm at 100 kHz; 20 ohm at 1 MHz
Input Modes	A, A-B, -B
Input Impedance	1 Mohm in parallel with 30 pF front only; 65 pF with front and optional rear
Max Input	plus/minus 200 Vdc referred to ground without damage
Output Protection	foldback limiter; kickback diodes to the supply
Coupling	DC
Common Mode Rejection	80 dB DC to 200 Hz; 60 dB to 1 kHz; 40 dB to 10 kHz; rising to 20 dB at 1 MHz Notes Specs from Krohn-Hite 7600/7602 operating manual and 7602M data sheet. 7602M is the metered 7602 (differential 34 W). Confirm 7602M vs 7600 (single-ended 17 W only) vs unmetered 7602.
Each side	plus/minus 200 V no-load, 17 Wrms into 1 kohm to 500 kHz

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: DC to 1 MHz, 17 Wrms / 34 W dc and peak into 1 kohm to 500 kHz (5 Wrms to 1 MHz). No-load plus/minus 200 V dc and peak, 141 Vrms. Gain 0 to 42 dB in three 14 dB ranges. Distortion less than 0.01% to 5 kHz at 175 V peak. Slew greater than 600 V/us at 400 Vp-p. Modes A, A-B, -B. M suffix adds the meter option package.

Applications

High-voltage wideband drive; piezo and transducer excitation; balanced 800 Vp-p lab amplification; DC-coupled HV analog with front-panel metering.

Key Features

- DC to 1 MHz; balanced 34 W / 282 Vrms / 800 Vp-p
- Meter option package (M)
- Each side: plus/minus 200 V no-load, 17 Wrms into 1 kohm to 500 kHz
- Gain 0-42 dB in three 14 dB ranges
- THD less than 0.01% to 5 kHz at 175 V peak

Technical Specifications

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Instrument Type	Wideband Power Amplifier

Specifications

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Meter Option	M meter option package on 7602

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Power 600 ohm	10 Wrms 100 Hz to 1 MHz; 5 Wrms / 10 W dc and peak DC to 100 Hz

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Notes

Specs from Krohn-Hite 7600/7602 operating manual and 7602M data sheet. 7602M is the metered 7602 (differential 34 W). Confirm 7602M vs 7600 (single-ended 17 W only) vs unmetered 7602.

Available from Aumictech

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

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