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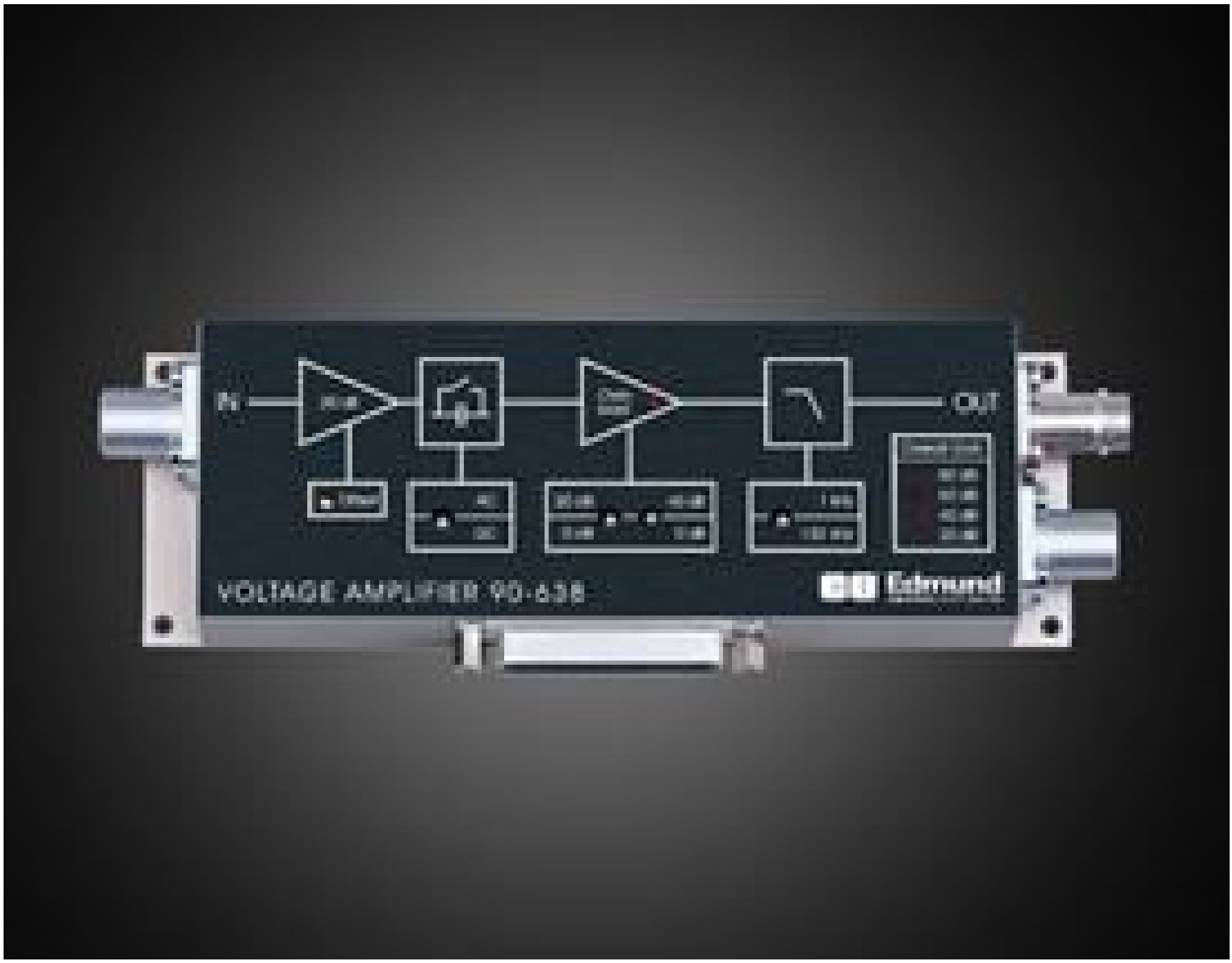
Differential, FET Variable Voltage Amplifier



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Product Downloads

Cut-Off Frequency (Hz):
Lower: DC/1.5
Upper: 10

General

Remote Control:
Yes

Note:
Includes:
LEMO® 3-pin connector
Datasheet

Electrical

Voltage Noise, High Gain (V/Hz$^{1/2}$):
6.5×10^{-9}

Gain (dB):
20/40/60/80(Switchable)

Input Impedance (kΩ):
1×10^{6}

Hardware & Interface Connectivity

Output Voltage (V):
±10 V (@ 100 kΩ Load)

Power Supply:
Power Supply Required and Sold Separately:
USA: **#59-180**
Europe: **#59-180**
Japan: Not Available
Korea: Not Available
China: **#59-180**

Output Type:
50 Ω, BNC

Input Type:
1 TΩ, LEMO®

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Product Details

- High-Precision, Low-Frequency Signal Amplification with Constant Bandwidth Performance
- Low DC Offset Drift for Long-Term Measurement Stability
- AC/DC Coupling Options

Low-Frequency Voltage Amplifiers provide variable amplification of DC to 100kHz signals, allowing precise control over signal gain in sensitive measurement applications. Their low-noise design and wide gain range preserve signal fidelity across amplification settings, ensuring accurate voltage measurements even at high gain. By maintaining stable performance with minimal DC offset drift, these amplifiers improve measurement clarity, repeatability, and reliability in demanding laboratory and industrial settings. Low-Frequency Voltage Amplifiers feature switchable AC/DC coupling and remote control capability, providing flexibility for integration into automated systems or standalone setups. These amplifiers are ideal for sensor readout, low-level signal detection, and precise data acquisition across a wide range of scientific and engineering applications.

Note: Power supply sold separately. Please see specifications for more details.

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