

¼" Preamplifier Type 26CB

Product Data

Typical Applications

- CCP inputs
- Prepolarized microphones
- ¼" precision microphones
- High levels and high frequencies

The G.R.A.S. ¼" preamplifier Type 26CB is a general-purpose preamplifier optimized for use with prepolarized condenser microphones. It is a small, robust unit and uses a G.R.A.S. CCP¹ power supply, e.g. Type 12AL. It has a very low inherent noise level, a large dynamic range, and a frequency response from below 2 Hz to above 200 kHz.

Its small ceramic thick-film substrate has a very high input impedance and is shielded by a guard ring to minimize the influence of stray capacitance and microphonic interference.

The Type 26CB is delivered with a built-in TEDS² chip and can be programmed as a single unit with a microphone fitted.



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It can be used with all G.R.A.S. prepolarized microphones, such as

- ¼" microphones Types 40BE and 40BD
- ½" microphones Types 40AE, 40AD, and 40AQ, using the included ¼" – ½" Adapter GR0010

It has an integrated Microdot output connector. A 3-meter (10-foot) Microdot-to-BNC cable is included.

The casing is made of stainless steel for maximum strength and durability.

¹ Constant Current Power

² Transducer Electronic Data Sheet – according to IEEE-1451.4

Specifications

Frequency response (cable load 4.7 nF):

2 Hz – 200 kHz ±0.2 dB

Input impedance: 20 GΩ, 0.4 pF

Output impedance

(C_s = 20 pF, f = 1000 Hz): < 50 Ω

Noise (measured with 20 pF ½" dummy mic.):

A-weighted: ≤ 2.5 μV rms
(typically 2.0 μV rms)

Linear (20 Hz – 20 Hz): ≤ 6 μV rms
(typically 3.5 μV rms)

Gain:

Typically: –0.25 dB

Power-supply:

. 2 mA to 20 mA (typically 4 mA)

Maximum signal-output voltage (peak):

. ±8.0 V

Temperature:

Operation: –30 °C to +100 °C *

Storage: –40 °C to +120 °C

Relative humidity:

Operation: 0 to 95 %

Storage: 0 to 95 %

Connector type: Microdot 10/32

Dimensions and weight:

Diameter: 6.35 mm (¼")

Length: 50 mm (2 inches)

Weight: 8 g (0.3 oz)

* The TEDS chip operates up to 70 °C

Specifications are valid at 23 °C, 1013 millibar, and 40 % RH.

G.R.A.S. Sound & Vibration reserves the right to change specifications and accessories without notice