

1/2-inch Preamplifier Type 26CA

Product Data and Specifications

Typical applications

- **CCP inputs (ICP®)**
- **Prepolarized microphones**
- **1/2-inch precision microphones**
- **High levels and high frequencies**

The G.R.A.S. 1/2-inch Preamplifier Type 26CA 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. CCP power supply (ICP®), 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 minimise the influence of stray capacitance and microphonic interference.

The Type 26CA is delivered with a built-in TEDS* chip, and can be programmed as a single unit with a microphone fitted.

Specifications

Frequency response (cable load 4.7 nF): 2.5 Hz - 200 kHz..... ±0.2 dB
Input impedance: 20 GΩ, 0.4 pF
Output impedance (Cs = 20 pF, f=1000Hz): (typically <25 Ω)
Noise (measured with 20 pF 1/2-inch dummy mic.): A-weighted: ≤2.5 μV rms (typically 1.8 μV rms) Linear (20 Hz - 20 kHz):..... ≤6 μV rms (typically 3.5 μV rms)
Gain*: Typically: -0.30 dB
Power-supply: 2 mA to 20 mA (typically 4 mA)



1/2-inch Preamplifier Type 26CA

It can be used with all G.R.A.S. prepolarized microphones, namely:

1/2-inch microphones:
Types 40AE, 40AD and 40AQ

1/4-inch microphones:
Types 40BE and 40BD, using the optional
1/2-inch to 1/4-inch adaptor RA0019

It has an integrated BNC output connector.

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

® ICP is a registered trademark of PCB Piezotronics Inc.
* Transducer Electronic Data Sheet - as proposed by IEEE-P1451.4

Maximum signal-output voltage (peak): ±8.0 V
Temperature: Operation:..... -30°C to +70°C Storage:..... -40°C to +85°C
Relative humidity: Operation:..... 0 to 95% Storage:..... 0 to 95%
Connector type: BNC
Dimensions and weight: Diameter: 12.7 mm (1/2-inch) Length: 73 mm (2.9 inches) Weight: 26 g (0.9 oz)

* Measured with 20 pF 1/2" dummy microphone

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