

GRAS 26CB

1/4" CCP Standard Preamplifier with Microdot Connector



Freq range: 2.5 Hz - 200 kHz
Noise: 1.8 μ V Gain: -0.35 dB
Special feature: General purpose

The GRAS 26CB 1/4" CCP Standard Preamplifier with Microdot Connector is a general-purpose preamplifier optimized for use with prepolarized condenser microphones. It is a small, robust unit and uses a GRAS CCP power supply, e.g., GRAS 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.

Typical applications and use

- CCP inputs
- Prepolarized microphones
- 1/2" precision microphones
- High levels and high frequencies

Design

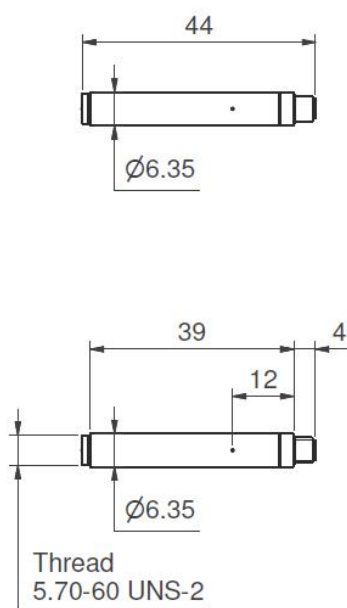
Its small ceramic thick-film substrate has a very high input impedance and is shielded by a guard ring to minimize the influence of stray capacitance and microphonic interference. The GRAS 26CB is delivered with a built-in TEDS chip and can be programmed as a single unit with a microphone fitted.

The diameter is 6.35 mm (1/4"), length 44 mm and weight 19 g (0.67 oz)

It can be used with all prepolarized microphone cartridges, such as GRAS 40BE and 40BD 1/4" microphone and GRAS 40AE, 40AD, and 40AQ 1/2" microphones using the included GRAS GR0010 Adapter for 1/4" preamplifier and 1/2" microphone. It has an integrated Microdot output connector. The casing is made of stainless steel for maximum strength and durability.

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|---|-----------------------------|------------------------|
| Frequency range (± 0.2 dB) with 18 pF microphone dummy | Hz | 2.5 to 200 k |
| Slew rate | V/ μ s | 20 |
| Input impedance | G Ω // pF | 20 // 0.4 |
| Output impedance | Ω | < 50 |
| Output Voltage Swing, min. @ 24-28 V CCP voltage supply | Vp | 8 |
| Noise (A-Weighted) max. | μ V | 2.5 |
| Noise (A-Weighted) typ. | μ V | 1.8 |
| Noise (Linear 20 Hz – 20 kHz) max. | μ V | 6 |
| Noise (Linear 20 Hz – 20 kHz) typ. | μ V | 3.5 |
| Gain | dB | -0.35 |
| Power supply (Constant Current Power) | mA | 2 to 20 (typ. 4) |
| DC bias voltage, typ. | V | 12 |
| Temperature range, operation | $^{\circ}$ C / $^{\circ}$ F | -30 to 70 / -22 to 158 |
| Temperature range, storage | $^{\circ}$ C / $^{\circ}$ F | -40 to 85 / -40 to 185 |
| Humidity range non condensing | % RH | 0 - 95 |
| TEDS UTID (IEEE 1451.4) | | 769 v. 0.9 |
| Connector type | | Microdot 10/32 |
| CE/RoHS compliant/WEEE registered | | Yes / Yes, Yes |
| Weight | g / oz | 7 / 0.25 |

Dimensions in mm



Included items

| | |
|-----------------------------|---|
| GRAS GR0010 | Adapter for 1/4" preamplifier and 1/2" microphone |
|-----------------------------|---|

Optional items

| | |
|-----------------------------|--|
| GRAS AA0070 | 3 m Microdot - BNC Cable |
| GRAS AL0029 | 1/4" Microphone Holder, POM |
| GRAS AL0013 | 1/4" Microphone Holder, Stainless Steel |
| GRAS AL0005 | Swivel head |
| GRAS AL0006 | Tripod |
| GRAS RA0063 | Adapter for 1/8" microphone and 1/4" preamplifier |
| GRAS RA0006 | Right-angled (90°) Adapter for 1/4" Microphone and 1/4" Preamplifier |
| GRAS RA0080 | 6pF Preamplifier-input adapter for 1/4" microphones |
| GRAS 12AL | 1-Channel CCP Power Module with A-weighting filter |
| GRAS 12AQ | 2-Channel Universal Power Module with signal conditioning and PC interface |

GRAS Sound & Vibration reserves the right to change specifications and accessories without notice.

GRAS Worldwide

Subsidiaries and distributors in more
than 40 countries

HEAD OFFICE, DENMARK

GRAS SOUND & VIBRATION

Skovlytoften 33
2840 Holte
Denmark
Tel: +45 4566 4046
www.GRASacoustics.com
gras@grasacoustics.com

USA

GRAS SOUND & VIBRATION

9290 SW Nimbus Avenue
Beaverton, OR 97008
Tel: 503-627-0832
Toll Free: 800-231-7350
www.GRASacoustics.com
sales-usa@grasacoustics.com

UK

GRAS SOUND & VIBRATION

Unit 115, Gibson House,
Ermine Business Park, Huntingdon,
Cambridgeshire, PE29 6XU
Tel: +44 (0) 7762 584 202
www.GRASacoustics.com
sales-uk@grasacoustics.com

CHINA

GRAS SOUND & VIBRATION

Room 315, RuiBo Center(T1)
Lane683, Shenhong Rd,
Minhang District,
Shanghai, China, 201107
Tel: +86 21 64203370
www.GRASacoustics.cn
cnsales@grasacoustics.com



About GRAS Sound & Vibration

GRAS is a worldwide leader in the sound and vibration industry. We develop and manufacture state-of-the-art measurement microphones and related equipment for industries where acoustic measuring accuracy and repeatability are of the utmost importance. This includes applications and solutions for customers within the fields of aerospace, automotive, audiology, consumer electronics and other highly demanding industries. GRAS microphones are designed to live up to the high quality, durability and accuracy that our customers have come to expect, trust and require.

GRAS Sound & Vibration is represented through subsidiaries and distributors in more than 40 countries and is part of Axiometrix Solutions, a leading test solutions provider comprised of globally recognized measurement brands. Read more at www.grasacoustics.com

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