# **GRAS 26CB**

1/4" CCP Standard Preamplifier with Microdot Connector





Freq range: 2.5 Hz - 200 kHz Noise: 1.8 µV 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.



## Technology

### 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.



## Specifications

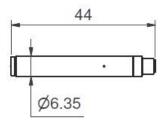
### GRAS 26CB 1/4" CCP Standard Preamplifier with Microdot Connector

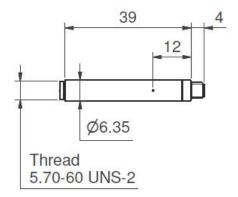
Frequency range (±0.2 dB) with 18 pF microphone dummy	Hz	2.5 to 200 k
Slew rate	V/µs	20
Input impedance	G // pF	20 // 0.4
Output impedance		< 50
Output Voltage Swing, min. @ 24-28 V CCP voltage supply	Vp	8
Noise (A-Weighted) max.	μV	2.5
Noise (A-Weighted) typ.	μV	1.8
Noise (Linear 20 Hz – 20 kHz) max.	μV	6
Noise (Linear 20 Hz - 20 kHz) typ.	μV	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	°C/°F	-30 to 70 / -22 to 158
Temperature range, storage	°C / °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

### Dimensions in mm







## Ordering info

### **Included items**

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

## **Optional items**

<u>GRAS AA0070</u>	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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