

GRAS 26AA 1/4" 前置 放大器装置，带集成线 材，用于声强探头 26AA-SET



频率范围 2.5 Hz - 200 kHz

噪声 1.8 μ V

增益 -0.29 dB

特殊功能：用于带 4 针 LEMO 接头的 GRAS 声强探头手柄

用于声强探头的 1/4" 前置放大器装置（带集成线材）是由两个小巧坚固的单元组成，专为使用电容传声器进行声学测量而优化。该装置具有极低的本底噪声级、宽广的动态范围以及从低于 2 Hz 到高于 200 kHz 的频率响应。

设计

所有 GRAS 传声器前置放大器均基于一块具有极高输入阻抗的小型陶瓷厚膜基板。该陶瓷基板由一个保护环屏蔽，以最大限度地减小杂散电容和颤噪干扰的影响。外壳由不锈钢制成，以实现最大的强度和耐用性。由于内部功耗产生的热量，这款前置放大器的小巧尺寸确保了在潮湿环境下的可靠运行。

动态范围

26AA 可使用单边和双边电源。电源范围可在 28 - 120 VDC (单边) 或 ± 14 - ± 60 VDC (双边) 之间变化。当使用高供电电压 120 VDC 或 ± 60 VDC 时，动态范围超过 140 dB

噪声

26AA 的电路构建在陶瓷基板上，并选用低噪声组件以获得极低的本底噪声。其电气本底噪声非常低，以至于系统噪声主要由传声器拾音头的热噪声决定。

频率响应

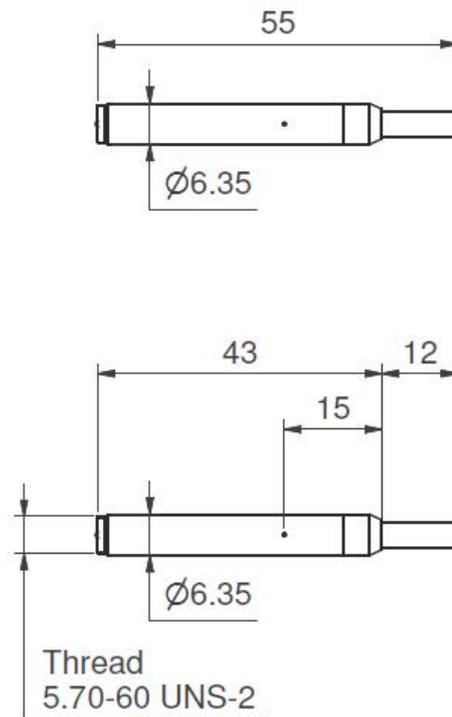
26AA 前置放大器的低频截止频率主要由前置放大器的输入阻抗和传声器拾音头的电容决定。20, 6.5 和 3 pF 的电容量分别等于典型的

Frequency range (± 0.2 dB) with 18 pF microphone dummy	Hz	2.5 to 200 k
Slew rate	V/ μ s	20
Output impedance	Ω	75
Output Voltage Swing, max. @ ± 14 V/+28V power supply	Vp	12
Output Voltage Swing, max. @ ± 60 V/+120V power supply	Vp	50
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	-0.29
Power supply, single	V	28 to 120
Power supply, balanced	V	± 14 to ± 60
DC-offset, min., single supply	V	$0.5 \times V_s - 1$
DC-offset, max., single supply	V	$0.5 \times V_s + 4$
DC-offset, balanced supply	V	-1 to 4
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 to 95
Connector type		4-pin LEMO (FGG.0B.304)
CE/RoHS compliant/WEEE registered		Yes / Yes, Yes
Weight	g / oz	22.0 / 0.78

条件 23 $^{\circ}$ C 环境温度 ± 60 V/+120V 电源 18 pF 仿真传声器 3 m 输出线材。

GRAS Sound & Vibration 保留更改规格和配件的权利，恕不另行通知。

Dimensions in mm



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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 to industries where acoustic measuring accuracy and repeatability is of utmost importance in R&D, QA and production. This includes applications and solutions for customers within the fields of aerospace, automotive, audiology, and consumer electronics. GRAS microphones are designed to live up to the high quality, durability and accuracy that our customers have come to expect and trust.

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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