

GRAS RA0402



100 Hz to 10 kHz according to IEC 60318-4

10 to 20 kHz: ± 2.2 dB test tolerance

Damped resonance, with peak @ 13.5 kHz

Volume 1260 mm³ @ 500 Hz according to
IEC 60318-4

Sensitivity 12.5 mV/Pa

Based on ITU-T Rec P.57

GRAS RA0402

20 kHz

40AO 1/2"

[GRAS RA0401.](#)



GRAS RA0402 60318-4

10 kHz	10 kHz	13.5 kHz
Q		10 kHz

GRAS 13.5 kHz
20 kHz

IEC60318-4 IEC60318-4 10 kHz 20 kHz ± 2.2 dB THD ITU-T P.57

[GRAS RA0401](#)



- IEC60318-4
- 10 20 kHz ± 2.2 dB
- 13.5 kHz 14 dB



- 10 kHz -- 10 kHz /
- 10 kHz 10 kHz
- 3-5 kHz

- IEC 60318-4
- ITU-T P.57 (08/96) P



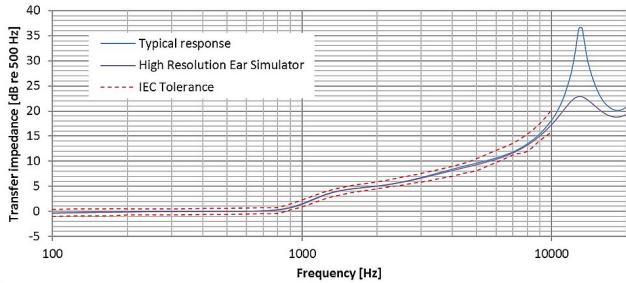
RA0402

[GRAS 40AO 1/2"](#)

13.5 kHz	Q	14 dB
20 kHz		

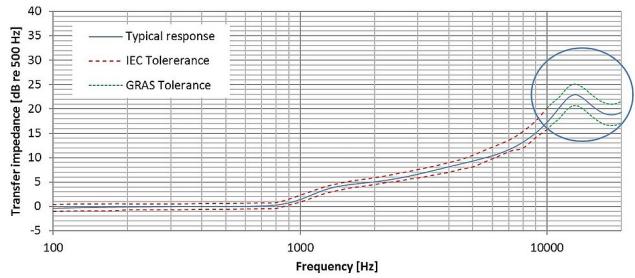
60318-4 RA0402

RA0045 RA0402
RA0045 60318-4 1



1. 60318-4

IEC GRAS 10 20 kHz 2



2. IEC GRAS RA0402

36 dB RA0402 14 dB
RA0402 RA0402

RA0402

GRAS KEMAR

KEMAR

RA0045 KEMAR

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GRAS 43 ՀԱՅԱՍՏԱՆԻ

RA0402 RA0045 43AC 43EA
43AG

[GRAS 43AC](#), [GRAS 43AE](#), [GRAS 43AG](#)

ՀԱՅԱՍՏԱՆԻ

ITU-T P.57 GRAS

- [GRAS RA0056](#)
- [GRAS RA0057](#)

IEC 60318-4

GRAS

ՀՀՀ

10 kHz

60318-4 10 kHz IEC --

60318-4 60711

ՀԱՅԱՍՏԱՆԻ ՀԱՅԱՍՏԱՆԻ

60318-4 13.5 kHz

10 kHz

¼ " RA0402 10 kHz 10 kHz

RA0402

RA0402 KEMAR

RA0402

RA0402 45CA /

ՀՀՀ

RA0402 CCP [GRAS 26CA](#) [GRAS 26CB](#)
1/4" 1/4 " RA0003 RA0001

RA0045 RA0402

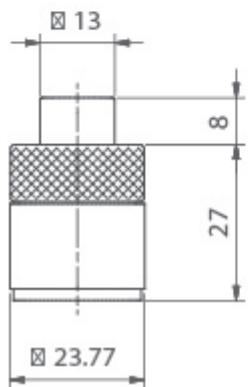
Specifications

GRAS RA0402

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Polarization/Connection		0 V / CCP
Theoretical dynamic range lower limit with GRAS preamplifier	dB(A)	25
Theoretical dynamic range upper limit with GRAS preamplifier @ +28 V / ±14 V power supply	dB	153
Theoretical dynamic range upper limit with GRAS preamplifier @ +120 V / ±60 V power supply	dB	164
Set sensitivity @ 250 Hz (±3 dB)	dB re 1V/Pa	-38
Resonance frequency	kHz	13.5
Coupler volume	mm ³	1260 @ 500 Hz
Temperature range, operation	°C / °F	-30 to 60 / -22 to 140
Temperature coefficient @250 Hz	dB/°C / dB/°F	0.05
Humidity range non condensing	% RH	0 to 90
ANSI standard		S3.7
IEC standard		60318-4 (former 60711)
ITU-T recommendations		P.57
CE/RoHS compliant/WEEE registered		Yes/Yes, Yes
Weight	g / oz	52 / 1.8

Dimensions in mm



Optional items

<u>GRAS RA0088</u>	In Ear Adapter
GRAS GR0433	Calibration Adapter
GRAS GR0434	Stop Washer
GRAS GR0436	Tube Adapter
GRAS GR0437	Ear-mould Simulator
GRAS GR0438	Retention Ring
GRAS GR0440	Tube Adapter
<u>GRAS RA0056</u>	Low-leak Pinna Simulator
<u>GRAS RA0057</u>	High-leak Pinna Simulator
<u>GRAS 26CA</u>	26CA 1/2" CCP Standard Preamplifier with BNC Connector
<u>GRAS 26CB</u>	26CB 1/4" CCP Standard Preamplifier with Microdot Connector
GRAS RA0001	Right-angled Adapter for 1/2" microphone and 1/4" preamplifier
GRAS RA0003	Adapter for 1/2" microphone and 1/4" preamplifier

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

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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 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

grasacoustics.com

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