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 40AO 1/2"
20 kHz GRAS RA0401.

GRAS Sound & Vibration
Skovlytoften 33, 2840 Holte, Denmark
www.grasacoustics.com

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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

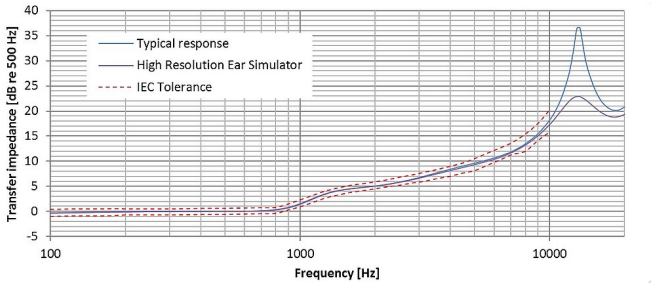
GRAS 40A0 1/2"

13.5 kHz Q 14 dB

20 kHz

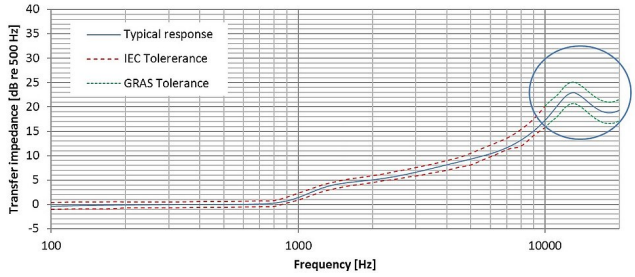
□□□ □□ 60318-4 □□□□□ RA0402 □□□□□□□□ □□

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

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RA0402
GRAS KEMAR

KEMAR

RA0045 KEMAR

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GRAS 43 □□□□□□□□□□□

RA0402 RA0045 43AC 43EA
43AG

GRAS 43AC, GRAS 43AE, GRAS 43AG

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ITU-T P.57 GRAS

- GRAS RA0056
- GRAS RA0057

IEC 60318-4
GRAS

□□□

10 kHz
60318-4 10 kHz
IEC ——

60318-4 60711

□□□□□□□ □□□□□□□

60318-4 13.5 kHz
10 kHz
¼ ″
RA0402 10 kHz 10 kHz

RA0402
RA0402 KEMAR

RA0402
RA0402 45CA /

□□□

RA0402 CCP GRAS 26CA GRAS 26CB
1/4" 1/4 " RA0003 RA0001

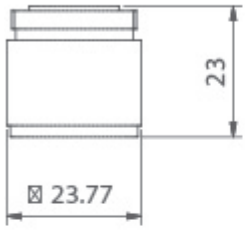
RA0045 RA0402

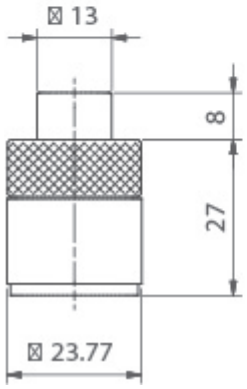
Specifications

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 recommondations		P.57
CE/RoHS compliant/WEEE registered		Yes/Yes, Yes
Weight	g / oz	52 / 1.8

Dimensions

Dimensions in mm





Optional items

GRAS RA0088	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
GRAS RA0056	Low-leak Pinna Simulator
GRAS RA0057	High-leak Pinna Simulator
GRAS 26CA	26CA 1/2'' CCP Standard Preamplifier with BNC Connector
GRAS 26CB	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.

GRAS Worldwide

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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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