GRAS RA0401





100 Hz - 10 kHz IEC 60318-4 10 kHz - 20 kHz ± 2.2 dB @ 13.5 kHz 1260 mm³ @ 500 Hz IEC 60318-4 12.5 mV/Pa ITU-T Rec P.57 GRAS RA0401

20 kHz

40AG 1/2

RA0402



Technology

 \prod

GRAS RA0401

60318-4

10 kHz Q 10 kHz

10 kHz

GRAS

13.5 kHz

20

13.5 kHz

kHz

IEC 60318-4

IEC 60318-4

10 kHz 20

kHz ±2.2 dB

THD ITU-T

P.57

GRAS RA0402

- IEC 60318-4
- 10 kHz 20 kHz ±2.2 dB
- 13.5 kHz 14 dB

ПП

- 10 kHz --10 kHz
- 10 kHz
- 3-5 kHz
- IEC 60318-4
- ITU-T P.57 (08/96) P



RA0401

<u>GRAS 40AG</u> 1/2

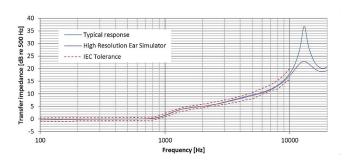
13.5 kHz Q

20 kHz

0000 60318-4 000 vs. RA0401 00000

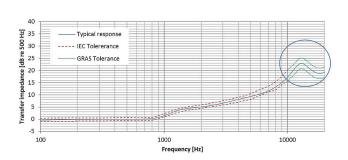
RA0045 RA0401

RA0045 60318-4 1



1. 60318-4

IEC GRAS 10 kHz - 20 kHz



2. RA0401

IEC GRAS

36 dB RA0401 14 dB

2

RA0401

RA0401

GRAS KEMAR

KEMAR

RA0045 KEMAR

•

14 dB

Technology

GRAS 43 00000000 RA0401 RA0045 43AC 43AE 43AG GRAS 43AC, GRAS 43AE, GRAS 43AG RA0001 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 1/4 RA0401 10 kHz

RA0401

RA0401 45CA /

RA0401 LEMO <u>GRAS 26AK</u> 1/2 GRAS 26AC-11/4 1/4 RA0003

RA0045 RA0401



RA0401

RA0401

KEMAR

Specifications

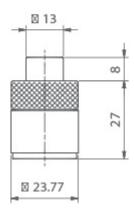
		•
Polarization/Connection		200 V / Traditional
Theoretical dynamic range lower limit with GRAS preamplifier	dB(A)	25
Theoretical dynamic range upper limit with GRAS preamplifier @ +28 V / ±14 V power supply	dB	153
Theoretical dynamic range upper limit with GRAS preamplifier @ $\pm 120~V~/~\pm 60~V$ power supply	dB	164
Set sensitivity @ 250 Hz (±3 dB)	mV/Pa	12.5
Set sensitivity @ 250 Hz (±3 dB)	dB re 1V/Pa	-38
Resonance frequency	kHz	13.5
Coupler volume	mm³	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





Ordering info

GRAS RA0088	
GRAS GR0433	
GRAS GR0434	
GRAS GR0436	
GRAS GR0437	
GRAS GR0438	
GRAS GR0440	
GRAS RA0056	
GRAS RA0057	
GRAS 26AK	26AK 1/2
GRAS 26AC-1	26AC-11/4
GRAS RA0001	1/2 1/4
GRAS RA0003	1/2 1/4

GRAS Sound & Vibration



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

GRAS

An Axiometrix Solutions Brand

grasacoustics.com