

# GRAS RA0403



100 Hz - 10 kHz IEC 60318-4

10 kHz - 20 kHz ± 2.2 dB

20 kHz - 50 kHz ± 3.2 dB

1260 mm<sup>3</sup> @ 500 Hz

1.6 mV/Pa

@ 13.5 kHz

GRAS RA0403

50 kHz

40BP 1/4

[RA0404](#)



GRAS RA0403



RA0403

$\frac{1}{4}$	RA0403	<u>GRAS 40BP</u> 1/4				
RA0403	IEC 60318-4		13.5 kHz	Q		14 dB
		10 kHz	10 kHz			
	13.5 kHz	Q	10 kHz			50 kHz
RA0403	13.5 kHz	14 dB				
10 kHz	$\frac{1}{4}$	RA0403	50			
kHz						
IEC 60318-4	10 kHz	IEC 60318-4				KEMAR
10 kHz	20 kHz	$\pm 2.2$ dB	20 kHz	50 kHz		
$\pm 3.2$ dB	50 kHz					
IEC 60318-4			45CA-11	-	&	LEMO
KEMAR			45CA-12	-	&	CCP
<u>GRAS RA0404</u>						

**KEMAR**

RA0403 RA0045 RA0401 KEMAR

- IEC 60318-4
- 10 kHz - 20 kHz  $\pm 2.2$  dB
- 20 kHz - 50 kHz  $\pm 3.2$  dB
- 13.5 kHz 14 dB
- 100 kHz



45BB-16 KEMAR 2 CCP

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

45BC-16 KEMAR 2 CCP

**GRAS 43** 43AG-8 KEMAR 2 CCP

RA0403 RA0045 43AG

43AG-8 LEMO

43AG-9                    CCP

43AC

43AC-S6        LEMO    43AC-S7        CCP

□□□□□□□

60318-4                    13.5

kHz                        10 kHz

¼

RA0403                    10 kHz

RA0403

RA0403        KEMAR

RA0403

RA0403        45CA        /

□□□

RA0403        LEMO                    [GRAS 26AC-1](#) 1/4  
[GRAS 26AS](#) 1/4

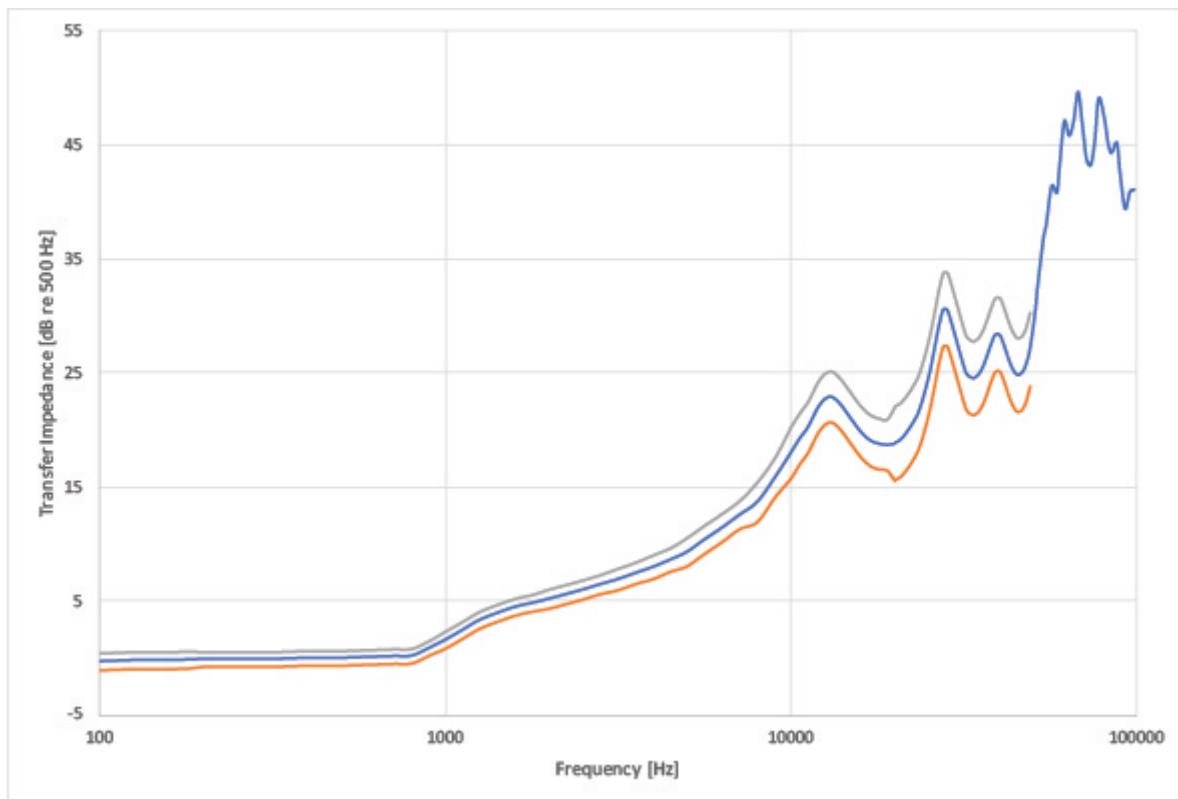
RA0045    RA0403

# Specifications

GRAS RA0403

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Polarization/Connection		200 V / Traditional
Theoretical dynamic range lower limit with GRAS preamplifier	dB(A)	44
Theoretical dynamic range upper limit with GRAS preamplifier @ +28 V / ±14 V power supply	dB	169
Theoretical dynamic range upper limit with GRAS preamplifier @ +120 V / ±60 V power supply	dB	172
Set sensitivity @ 250 Hz (±3 dB)	mV/Pa	1,5 mV
Set sensitivity @ 250 Hz (±3 dB)	dB re 1V/Pa	-56,5
Resonance frequency	kHz	13.5
Coupler volume	mm <sup>3</sup>	1260 @ 500 Hz
Temperature range, operation	°C / °F	-30 to 60 / -22 to 140
Temperature coefficient @250 Hz	dB/°C / dB/°F	-0.01 / -0.006
Humidity range non condensing	% RH	0 to 90
ANSI standard		S3.7
IEC standard		Based on 60318-4
ITU-T recommendations		P.57
CE/RoHS compliant/WEEE registered		Yes/Yes, Yes
Weight	g / oz	44
	IEC 60318-4 ± 2.2 dB ± 3.2 dB	100 Hz - 13.5 kHz 10 kHz - 20 kHz 20 kHz - 50 kHz



1. RA0403

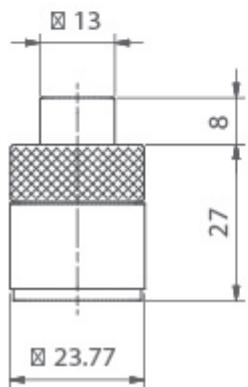
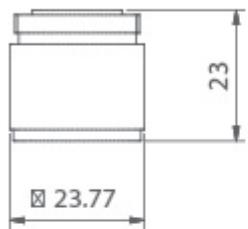
10 kHz

IEC 60318-4

10 kHz

50 kHz

Dimensions in mm





<a href="#"><u>GRAS RA0088</u></a>	
GRAS GR0433	
GRAS GR0434	
GRAS GR0436	
GRAS GR0437	
GRAS GR0438	
GRAS GR0440	
<a href="#"><u>GRAS 26AC-1</u></a>	1/4
<a href="#"><u>GRAS 26AS</u></a>	1/4

GRAS Sound & Vibration

# GRAS Worldwide

Subsidiaries and distributors in more than 40 countries

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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](http://www.grasacoustics.com)

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