

GRAS RA0402



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 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"](#)

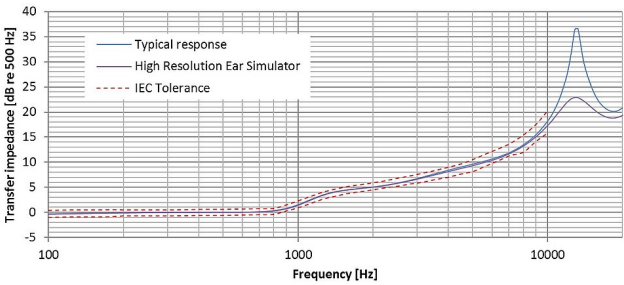
13.5 kHz Q 14 dB
20 kHz



60318-4 RA0402

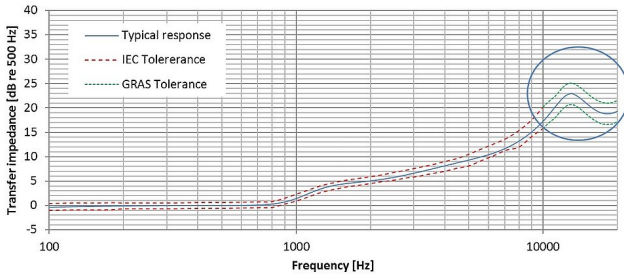


RA0045 RA0402
RA0045 60318-4 1



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

RA0402 RA0045 43AC 43EA
43AG

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

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 " RA0402 10 kHz 10 kHz

RA0402
RA0402 KEMAR

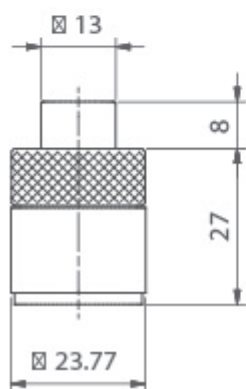
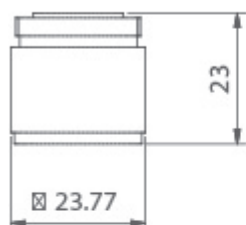
RA0402
RA0402 45CA /

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

RA0045 RA0402

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





GRAS RA0088	
GRAS GR0433	
GRAS GR0434	
GRAS GR0436	
GRAS GR0437	
GRAS GR0438	
GRAS GR0440	
GRAS RA0056	
GRAS RA0057	
GRAS 26CA	26CA 1/2 CCP BNC
GRAS 26CB	26CB 1/4 CCP Microdot
GRAS RA0001	1/2 1/4
GRAS RA0003	1/2 1/4

GRAS Sound & Vibration



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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

grasacoustics.com

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