

GRAS RA0402



100 Hz - 10 kHz IEC 60318-4
10 kHz - 20 kHz \pm 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



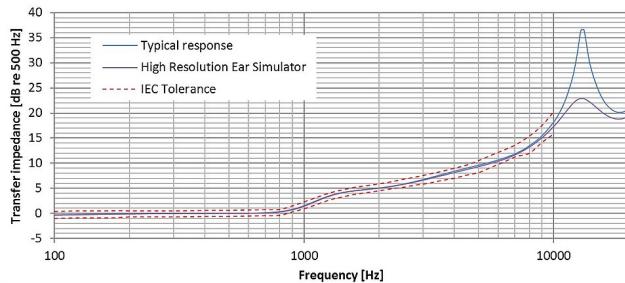
RA0402

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

13.5 kHz	Q	14 dB
20 kHz		

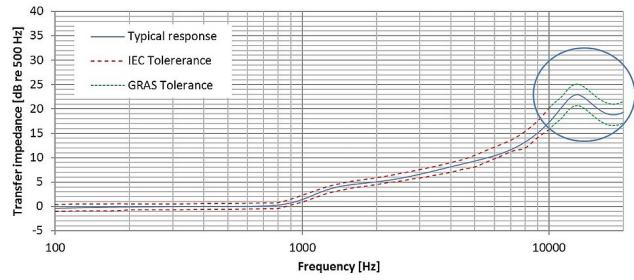
60318-4 RA0402

RA0045	RA0402
RA0045 60318-4	1



1. 60318-4

IEC	GRAS	10	20 kHz	2
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2. IEC GRAS RA0402

36 dB	RA0402	14 dB
RA0402	RA0402	

RA0402

GRAS KEMAR

KEMAR

RA0045 KEMAR

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GRAS 43 43AC 43AE 43AG

RA0402 RA0045 43AC 43EA
43AG

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

43AC 43AE 43AG

ITU-T P.57 GRAS

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

IEC 60318-4

GRAS

43AG

10 kHz

60318-4 10 kHz

IEC

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60318-4 60711

43AC 43AE 43AG

60318-4

13.5 kHz

10 kHz

1/4 "

RA0402

10 kHz 10 kHz

RA0402

RA0402 KEMAR

RA0402

RA0402 45CA /

43AG

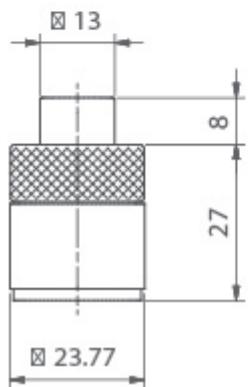
RA0402 CCP [GRAS 26CA](#) [GRAS 26CB](#)
1/4" 1/4 " RA0003 RA0001

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

Dimensions in mm





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

GRAS Sound & Vibration

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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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