

FC-23813-C36

SHT 1.1

NOTES:

1. INCREASED PRESSURE AT THE SOUND INLET CAUSES A POSITIVE GOING VOLTAGE TO APPEAR AT THE OUTPUT TERMINAL, RELATIVE TO THE NEGATIVE TERMINAL.

$2,565 \pm 0,025$
[.101 ± .001]

POSITIVE
TERMINAL

NEGATIVE
TERMINAL

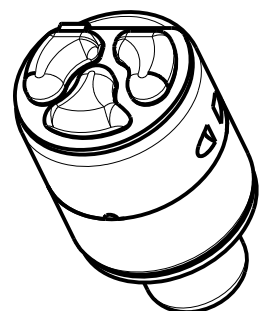
OUTPUT
TERMINAL

$2,54 \pm 0,05$
[.100 ± .002]

$\varnothing 1,41 \pm 0,04$
[.0555 ± .0015]
OUTER DIAMETER

$1,59 \pm 0,063$
[.0625 ± .0025]

0,63 [.025]
MAXIMUM
SOLDER BUILDUP

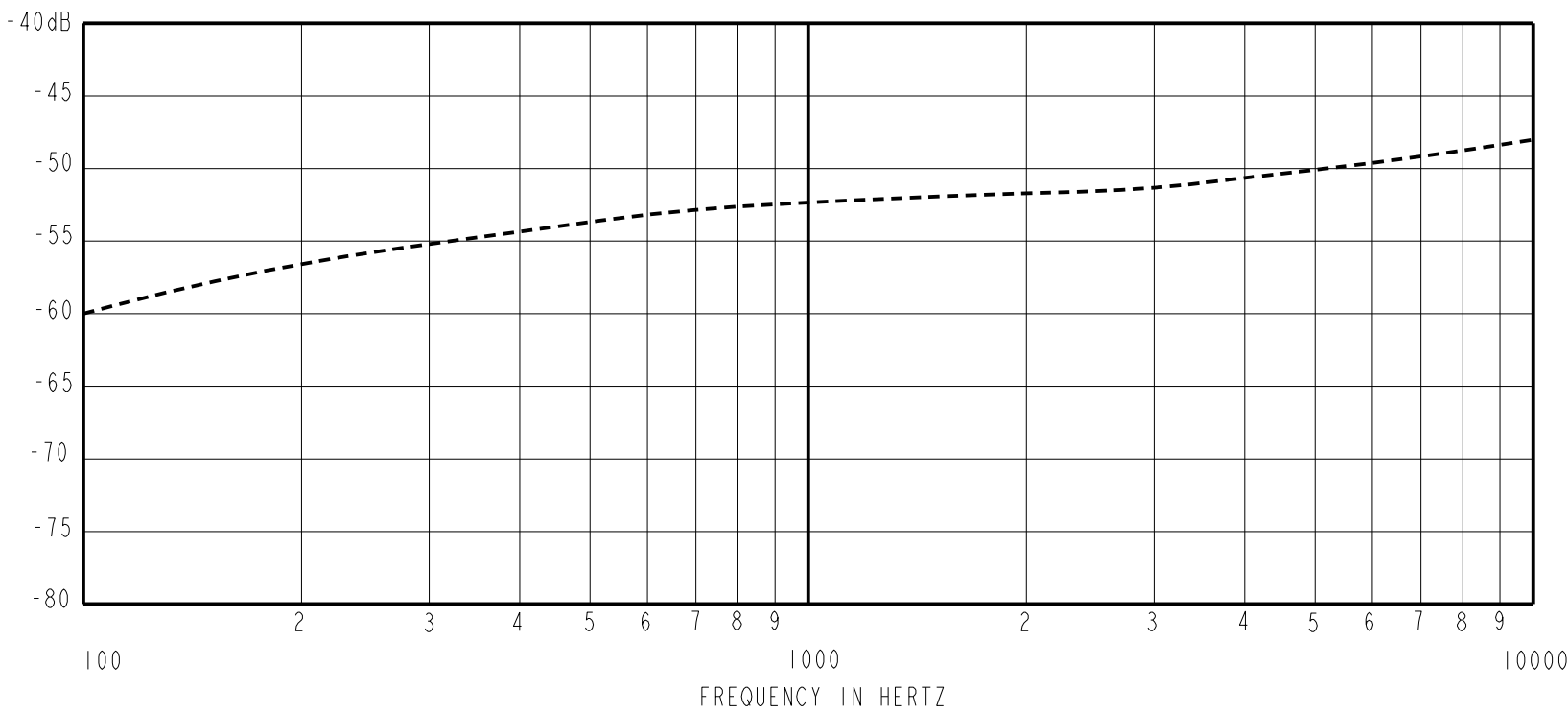


DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
H	MI0105709	10-11-14	Active	H
G	MI0104555	4-12-12		
SCALE: 10:1			DR. BY	DATE
DO NOT SCALE DRAWING			MMM	1-20-06
TITLE: MICROPHONE			CK. BY	DATE
OUTLINE DRAWING			GJP	1-25-06
FC-23813-C36			APP. BY	DATE
SHT 1.1			GJP	1-25-06

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M²)
FOR CONDITIONS SHOWN BELOW.



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-59.0	---	-10.0	-3.0
1000	-56.0	-53.0	-50.0	0.0	0.0
10000	---	-48.0	---	+2.0	+8.0

- NOTES:
- CASE CONNECTED TO NEGATIVE TERMINAL.
 - MICROPHONE TO BE FUNCTIONAL WITH 1.6 VDC SUPPLY.
 - TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.06 dB/%RH
 - SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (1 kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
12S	1.3V	50 μA MAX.	3 dB MAX.	30.0 dB MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
H	M10105709	10-11-14	Active		H
G	M10104555	4-12-12			
WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION			DR. BY		DATE
			MMM		1-20-06
TITLE: MICROPHONE			CK. BY		DATE
			GJP		1-25-06
PERFORMANCE SPECIFICATION			APP. BY		DATE
			GJP		1-25-06
			FC-23813-C36		
			SHT 2.1		

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