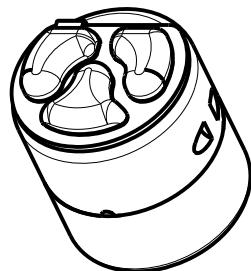
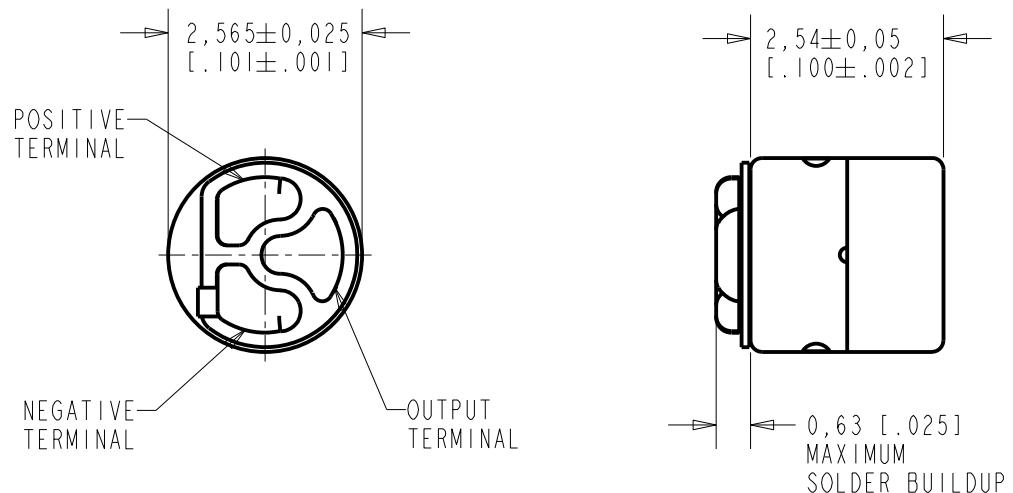


FC-23742-C05

SHT 1.1



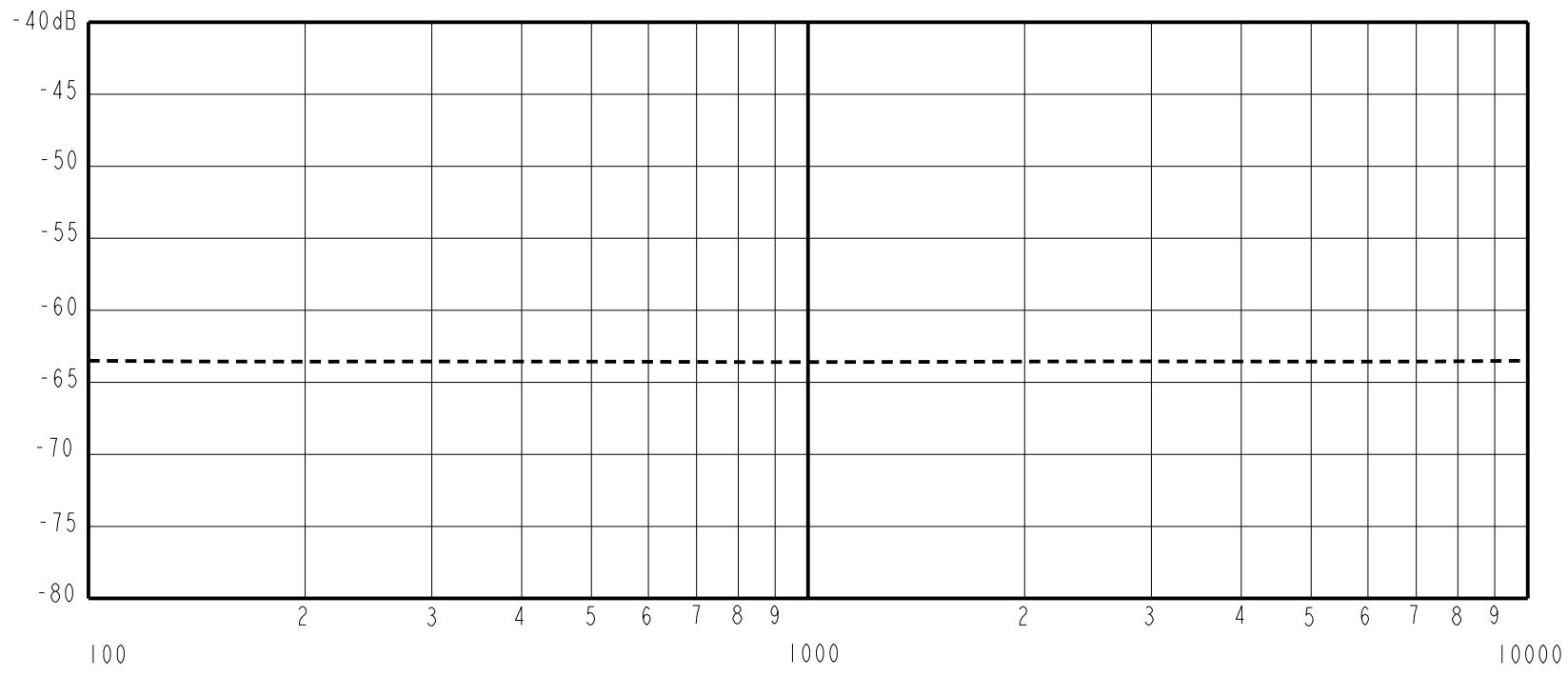
DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
H	M10105709	10-11-14	Active	H
G	M10104840	10-15-12		

SCALE:	10:1	DR. BY	DATE
	DO NOT SCALE DRAWING	MMM	11-18-05
TITLE:	MICROPHONE	CK. BY	DATE
	FC-23742-C05	GJP	11-22-05
	OUTLINE DRAWING	APP. BY	DATE
		GJP	11-22-05
		KELIASIZE.FRM	
		Rev: B	

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	---	-63.5	---	-3.0	+3.0	
1000	-66.5	-63.5	-60.5	0.0	0.0	
10000	---	-63.5	---	-3.0	+3.0	

NOTES: 1. CASE CONNECTED TO NEGATIVE TERMINAL.
 2. MICROPHONE TO BE FUNCTIONAL WITH 1.6 VDC SUPPLY.
 3. TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.06 dB/%RH
 4. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

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.
1.3V	50 μ A MAX.	3 dB MAX.	36.0 dB MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
H	M10105709	10-11-14	Active	H
G	M10104840	10-15-12		
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 MMM	DATE 11-18-05
			CK. BY GJP	DATE 11-22-05
			APP. BY GJP	DATE 11-22-05
TITLE: MICROPHONE			FC-23742-C05	
PERFORMANCE SPECIFICATION			SHT 2.1	

Mouser Electronics

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