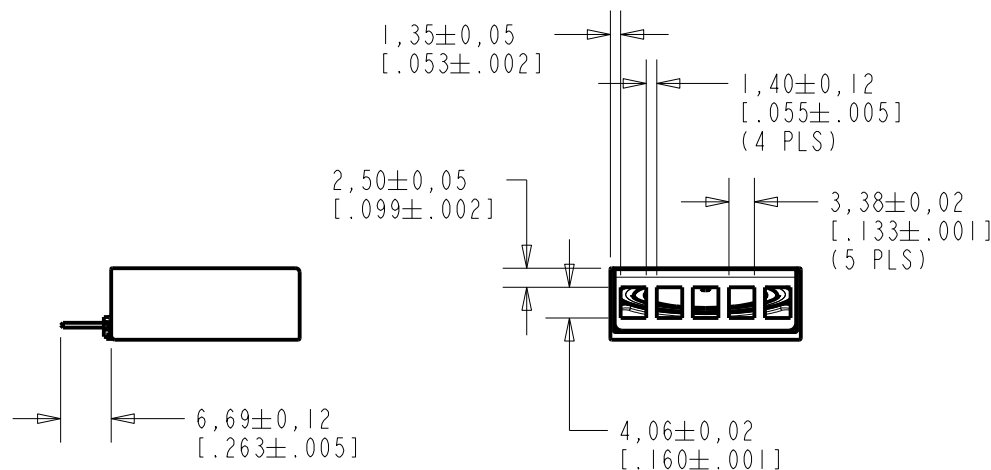
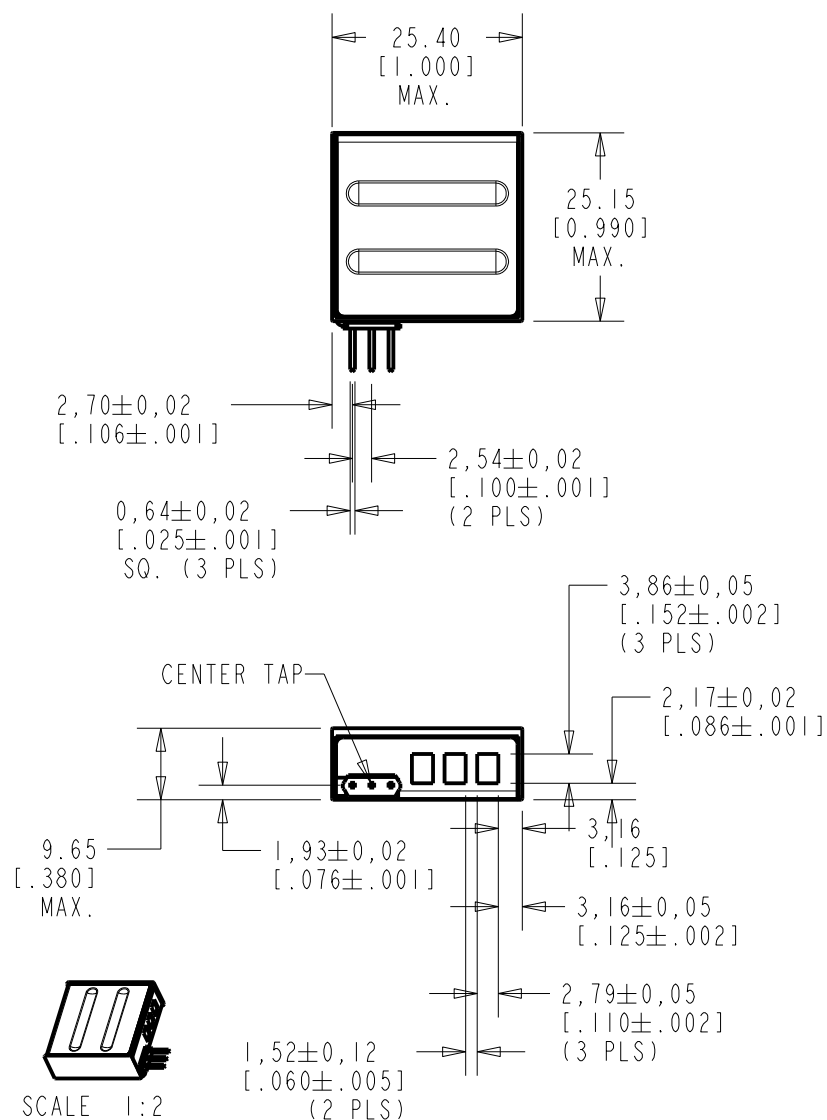


CB-22850-000

SHT 1.1



SCALE 1:2
NOMINAL WEIGHT
13.5 GRAMS

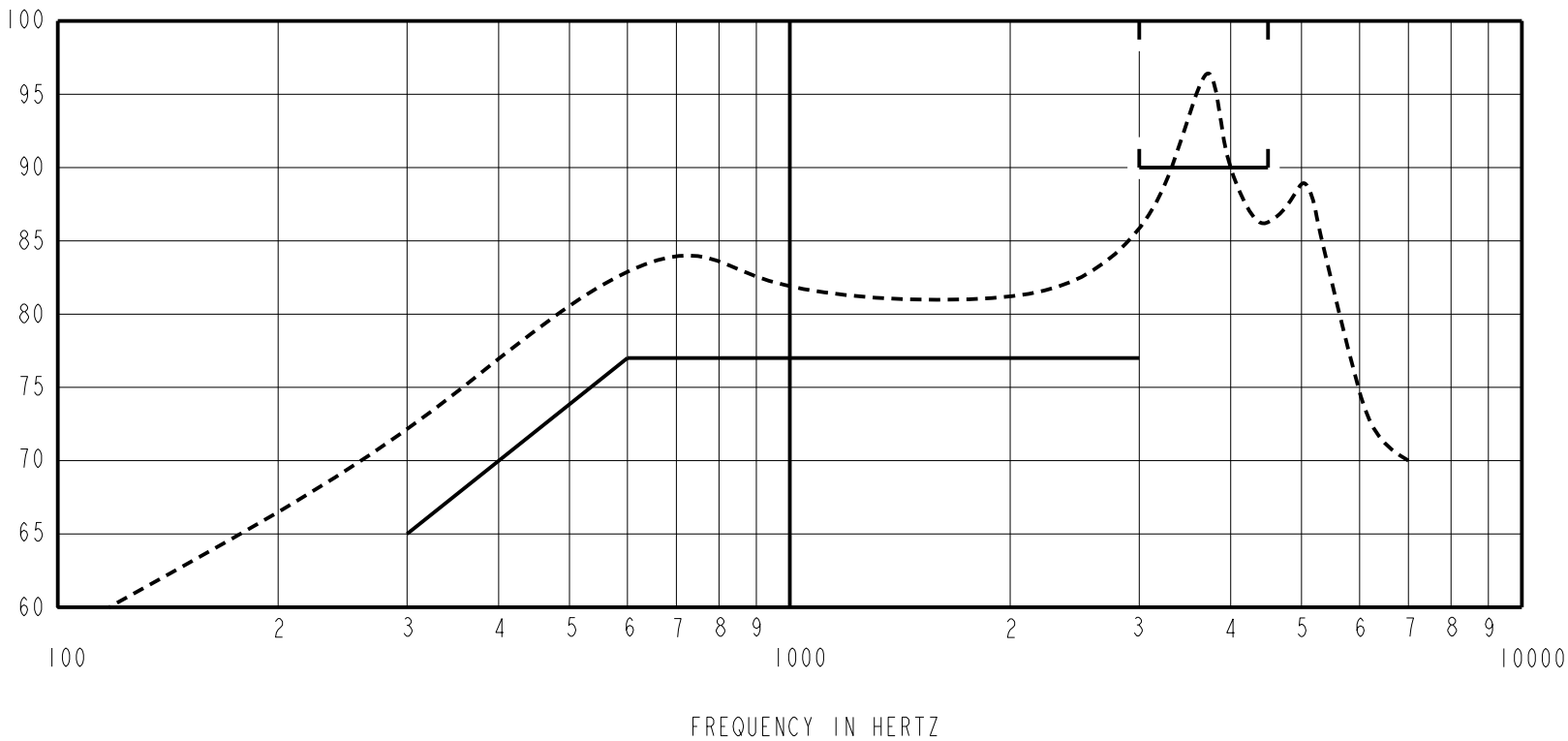
DIMENSIONS IN MILLIMETERS [INCHES]

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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
A	MI0104834	10-17-12	Active	A
SCALE: 1:1			DR. BY LSY	DATE 9-20-12
DO NOT SCALE DRAWING			CK. BY GJP	DATE 10-18-12
TITLE: MICROPHONE			APP. BY GJP	DATE 10-18-12
OUTLINE DRAWING			Rev: B	
CB-22850-000			SHT 1.1	

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 VARIATIONS.

SENSITIVITY IN dB FOR CONDITIONS SHOWN BELOW.



1. SENSITIVITY IN dB RELATIVE TO .0002 MICROBAR (2×10^{-5} N/m²) FOR THE CONDITIONS SHOWN IN #2 & #3 BELOW.
2. MEASUREMENTS MADE ON AXIS AT 300mm [11.81in] NORMAL TO THE SOUND PORT UNDER FREE FIELD (ANECHOIC) CONDITIONS. THE REAR PORT IS VENTED INTO A 160 cm³ DAMPED CAVITY FOR THIS MEASUREMENT.
3. ELECTRICAL SIGNAL (CONSTANT VOLTAGE):
SOURCE IMPEDANCE: < 0.5 OHMS
VOLTAGE APPLIED : 1.55 VOLTS RMS
4. NOMINAL IMPEDANCE:
ACOUSTICAL CONDITIONS: SEE #2 ABOVE
ELECTRICAL CONDITIONS: SEE #3 ABOVE
IMPEDANCE AT 500 Hz : 48 OHMS
IMPEDANCE AT 1 kHz : 48 OHMS
5. TOTAL HARMONIC DISTORTION:
ACOUSTICAL CONDITIONS: SEE #2 ABOVE
ELECTRICAL CONDITIONS: SEE #3 ABOVE
FREQUENCY : 500 Hz
DISTORTION : 15% MAX.
6. NOMINAL DC RESISTANCE @ 20°C: 21.5 OHMS
7. SENSITIVITY

FREQUENCY	MIN.	MAX.
300	55.0	---
600	67.0	---
3000	67.0	---
3000-4500	80.0	90.0

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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	MI0104834	10-17-12		
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
			LSY	9-20-12
TITLE: MICROPHONE PERFORMANCE SPECIFICATION			CK. BY	DATE
			GJP	10-18-12
CB-22850-000 SHT 2.1			APP. BY	DATE
			GJP	10-18-12

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