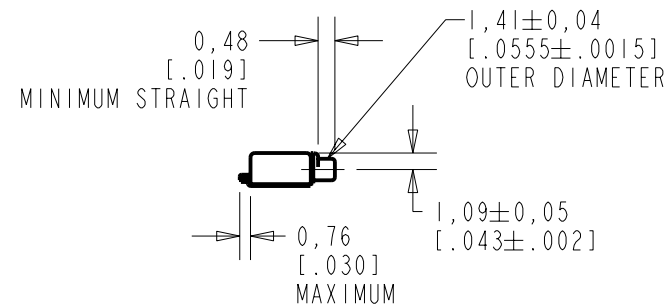
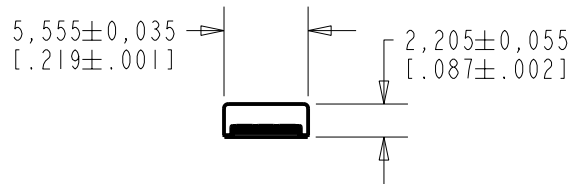
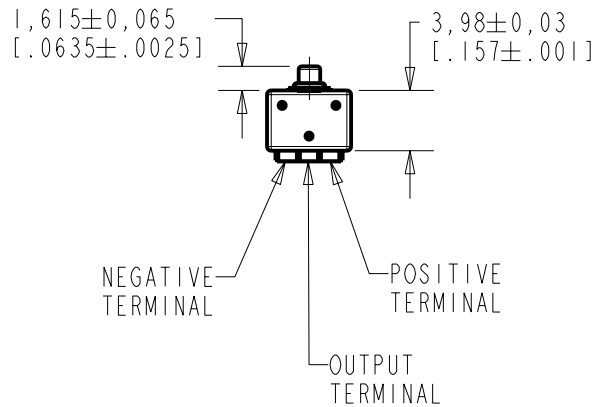


EY-24024-C05
SHT 1.1



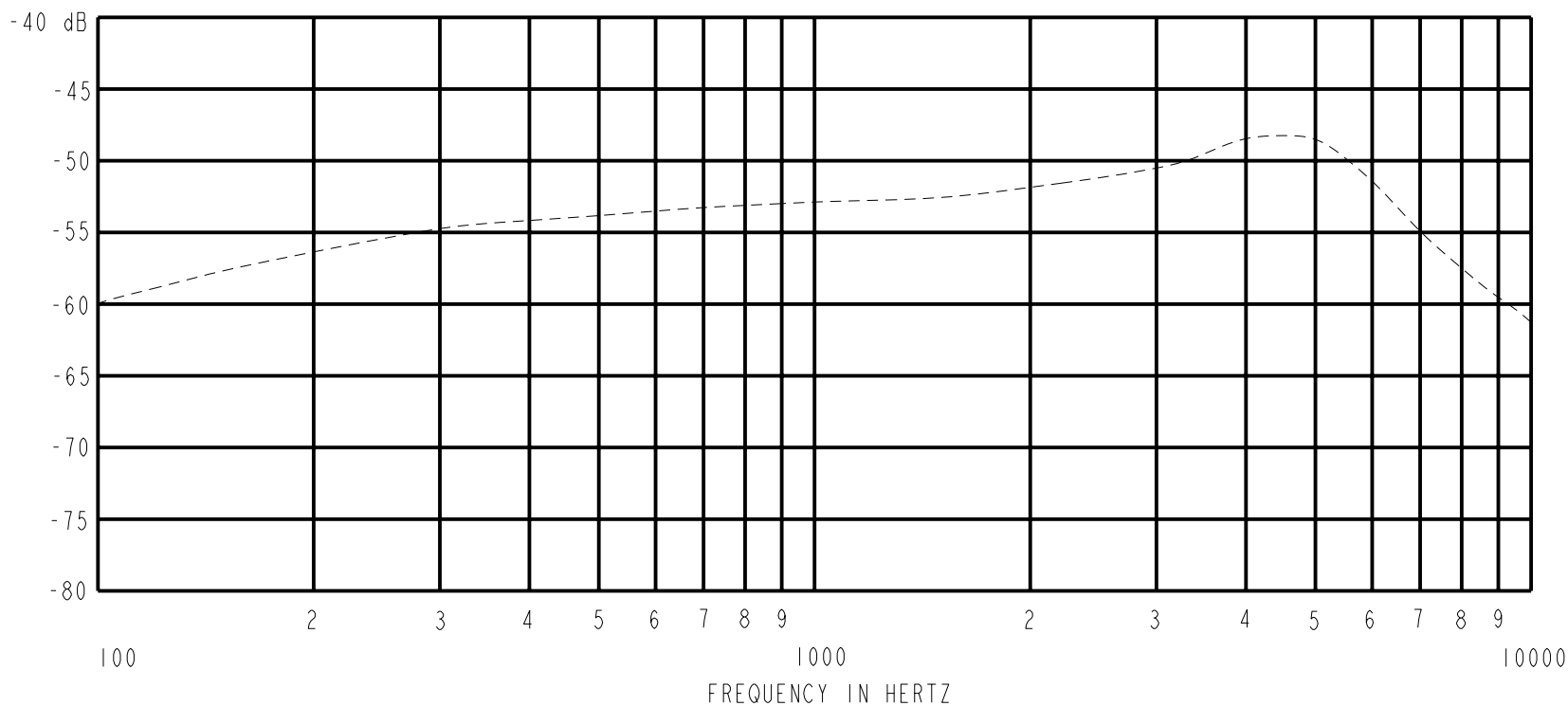
NOMINAL WEIGHT
.13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
A	MI0101350	1-31-07	Released	A
SCALE: 2:1			DR. BY	DATE
DO NOT SCALE DRAWING			SDZ	1-31-07
TITLE: MICROPHONE			CK. BY	DATE
OUTLINE DRAWING			GJP	2-04-07
EY-24024-C05			APP. BY	DATE
SHT 1.1			GJP	2-04-07

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	---	-60.0	---	-11.0	-4.0
1000	-55.0	-53.0	-51.0	0.0	0.0
3500-5500	---	-48.5	---	+1.5	+7.5

NOTES:

- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- CONFORMS TO REQUIREMENTS SHOWN ON 'ELECTRET MICROPHONE ENVIRONMENTAL QUALIFICATION TEST, EK-PA SHEET 2.2' WITH REFERENCE FREQUENCY OF 1000 Hz.
- TYPICAL SENSITIVITY TO HUMIDITY AT 1000 Hz IS 0.02 dB/%RH.
- SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
- CAPACITANCE MEASUREMENT MADE WITH BOONTON MODEL 7200 OR EQUIVALENT WITH APPLIED AC VOLATAGE OF 15 mVOLTS AT 1MHz AND 0 VOC. INCLUDES CIRCUIT CAPACITANCE IN PARALLEL WITH CAPACITOR.

PART LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (1 kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS			CAPACITANCE ±50%	
					MIN.	NOM.	MAX.	OUTPUT TO NEGATIVE	OUTPUT TO POSITIVE
12S	1.3V	50 µA MAX.	3 dB MAX.	26.0 dB MAX.	2800	4400	6800	NA	NA

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
A	M10101350	1-31-07	Released	A

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
TITLE: MICROPHONE PERFORMANCE SPECIFICATION		SDZ	1-31-07
		GJP	2-04-07
EY-24024-C05 SHT 2.1		APP. BY	DATE
		GJP	2-04-07

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