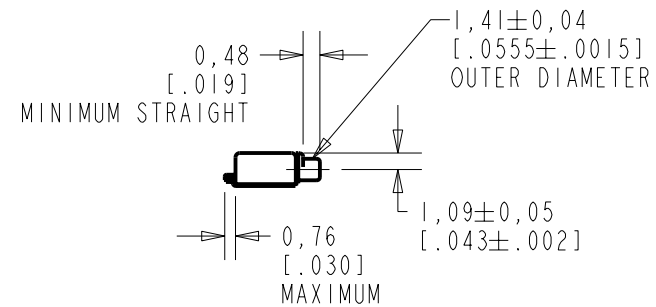
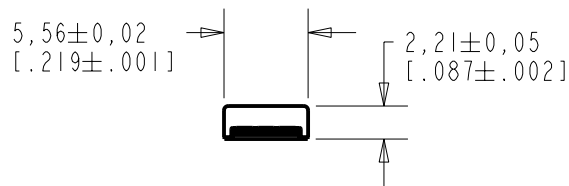
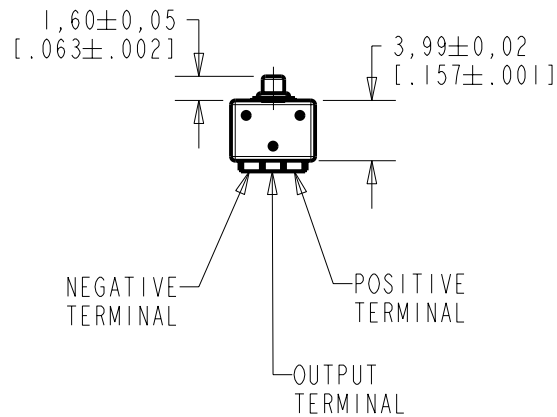


EY-27889-107  
SHT 1.1



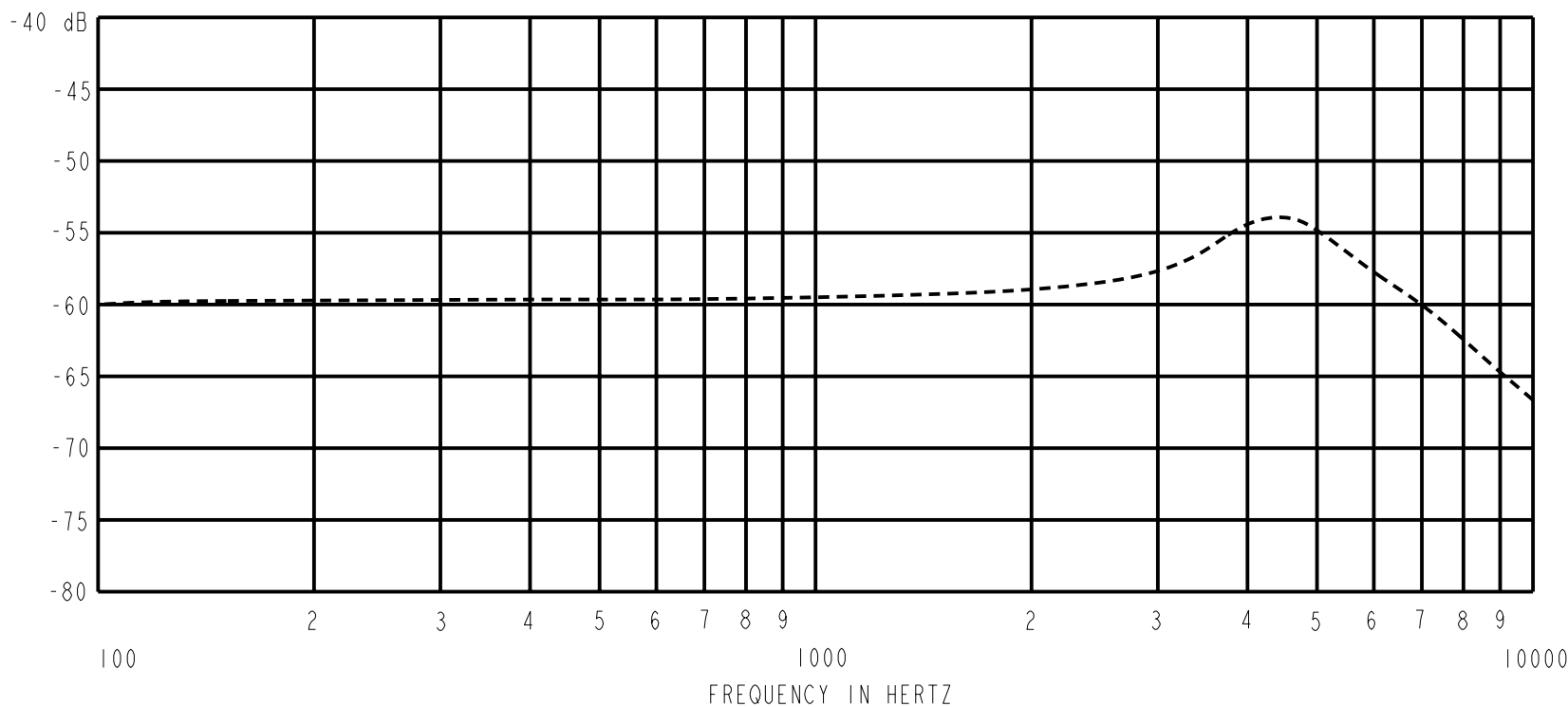
NOMINAL WEIGHT  
.13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
A	MI0100671	8-31-05	Released	A
SCALE: 2:1			DR. BY	DATE
DO NOT SCALE DRAWING			MMM	9-21-05
TITLE: MICROPHONE			CK. BY	DATE
OUTLINE DRAWING			GJP	9-26-05
EY-27889-107			APP. BY	DATE
SHT 1.1			GJP	9-26-05

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M<sup>2</sup>)  
FOR CONDITIONS SHOWN BELOW.



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-60.0	---	-0.0	-4.0
1000	-60.5	-59.0	-57.5	0.0	0.0
≈ 3500-5500	---	-54.5	---	+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 VAILD 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			CAPACITANCE ±50%	
				MIN.	NOM.	MAX.	1-2	1-3
1.3V	50 μA MAX.	3 dB MAX.	28.0 dB MAX.	2800	4400	6800	NA	NA

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
A	M10100671	8-31-05	Released	A

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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

TITLE: **MICROPHONE** **EY-27889-107**  
PERFORMANCE SPECIFICATION **SHT 2.1**

DR. BY	DATE
MMM	9-21-05
CK. BY	DATE
GJP	9-26-05
APP. BY	DATE
GJP	9-26-05