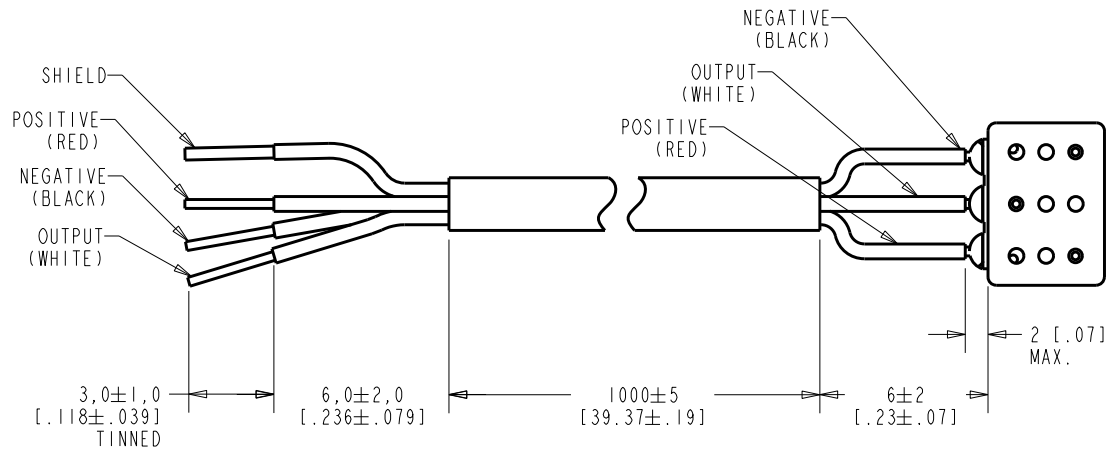


EK-23132-P07

SHT 1.1



NOMINAL WEIGHT
.4 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

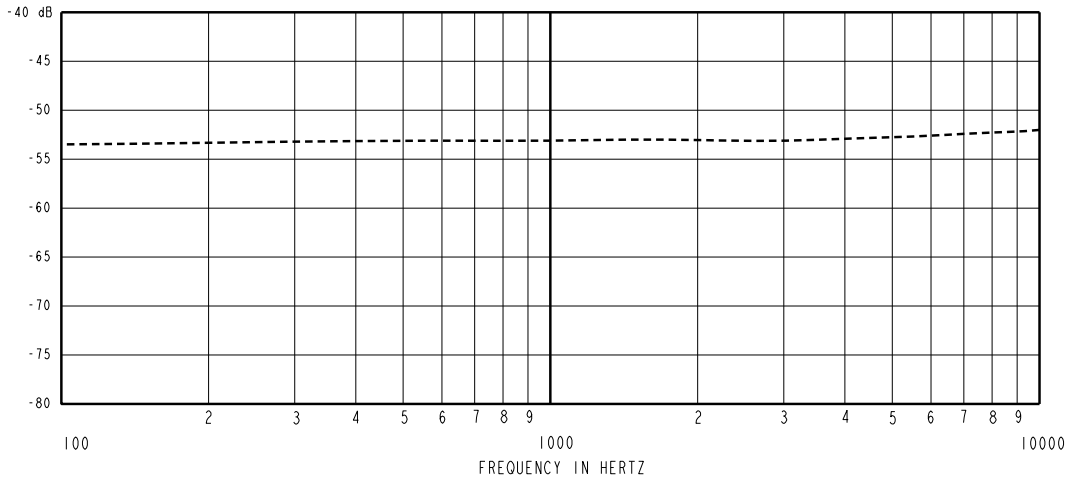
KNOWLES ELECTRONICS
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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION	
B	C40100556	12-24-10	Active	B	
A	M10101502	6-11-07			
SCALE: 5:1			DR. BY	DATE	
DO NOT SCALE DRAWING			LSY	6-11-07	
			CK. BY	DATE	
TITLE: MICROPHONE		EK-23132-P07		GJP	6-15-07
		SHT 1.1		APP. BY	DATE
OUTLINE DRAWING				GJP	6-15-07

HE111AS12E.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	---	-53.5	---	-4.0	+1.0
1000	-55.0	-53.0	-51.0	0.0	0.0
10000	---	-52.0	---	-2.0	+5.0

NOTES:

- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- CONFORMS TO REQUIREMENTS SHOWN ON 'ELECTRET MICROPHONE ENVIRONMENTAL QUALIFICATIONS TEST, EK-PA SHEET 2.2' WITH REF. FREQ. 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.

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.
KA	1.3V	50 µA MAX.	3 dB MAX.	26.0 dB MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	C40100556	12-24-10	Active	B
A	M10101502	6-11-07		

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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		DR. BY	DATE
TITLE: MICROPHONE PERFORMANCE SPECIFICATION		LSY	6-11-07
		GJP	6-15-07
EK-23132-P07 SHT 2.1		APP. BY	DATE
		GJP	6-15-07