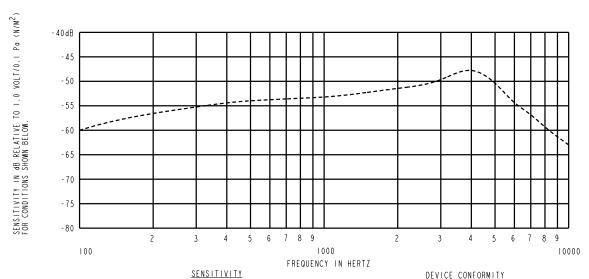


EK-23032-C37 SHEET 2.1



MIN NOM. MAX. -60.0 -53.0 -55.0 -51.0

-48.5

DEVICE CONFORMITY RANGE OF DEVIATION FROM IKHZ -11.0 0.0 +1.5 -4.0 0.0 +7.5

NOTES:

FREQUENCY

3000-5000

100

1000

- I. CASE CONNECTED TO NEGATIVE TERMINAL.
- 2. MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- 3. CONFORMS TO REQUIREMENTS SHOWN ON 'ELECTRET MICROPHONE ENVIRONMENTAL QUALIFICATIONS TEST, EK-PA SHEET 2.2' WITH REF. FREQ. OF 1000 $\rm H_Z$.
- 4. TYPICAL SENSITIVITY TO HUMIDITY AT 1000 Hz IS 0.02 dB/%RH.
- 5. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
- 6. CAPACITANCE MEASUREMENT MADE WITH BOONTON MODEL 7200 OR EQUIVALENT WITH APPLIED AC VOLTAGE OF 15 mVOLTS AT I kHz AND 0 VDC. INCLUDES CIRCUIT CAPACITANCE IN PARALLEL WITH CAPACITOR.

PORT	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (I kHz EQUIV. SPL)				CAPACITANCE ±50%		
LOCATION					MIN.	NOM.	MAX.	OUTPUT TO NEGATIVE		
3\$	1.3V	50 μΑ MAX.	3 dB MAX.	26.0 dB MAX.	2800	4400	6800	75pF	N/A	75pF

CAPACITANCE PROBE POINTS

Revision	C.O. #	C.O. # Implementation Date RELEASE LEVEL			
			Released		Α
A	M10101052	3-13-06			
WHEN TEST	DR. BY	DATE			
CRITERIA, (ELIMINATIO	MMM	3-13-06			
	CK. BY	DATE			
TITLE: M		ROPHONE	EK-23032-C37	GJP	3-16-06
INTEROTIONE ER 20002 001					DATE

PERFORMANCE SPECIFICATION

APP. BY

SHT 2.1

DATE

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.