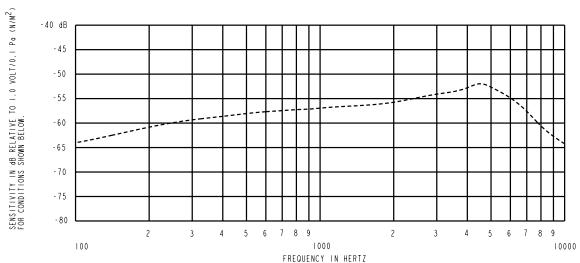


EK-23089-C48 SHEET 2.1



	<u>SENSITIVITY</u>			
FREQUENCY	MIN.	NOM.	MAX.	
100 1000 3500-5500	- 59.0	-64.0 -57.0 -52.5	-55.0	

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

GRADES FOR IKHZ SENSITIVITY WITH 1.3 V SUPPLY AND NO LOAD:

GRADE A: -55.00 TO -57.00 GRADE B: -57.01 TO -59.00

NOTES: I. CASE CONNECTED TO NEGATIVE TERMINAL.

- 2. 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. OF 1000 Hz.
- 4. TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz 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 MHz AND 0 VDC. INCLUDES CIRCUIT CAPACITANCE IN PARALLEL WITH CAPACITOR.
- 7. *CUSTOM SHEET I.I MAY APPLY.
- 8. VL SPEC: 0.15 0.90V

	PORT		AMPLIFIER	SENSITIVITY CHANGE ON REDUCING SUPPLY	A WEIGHTED NOISE	OUTPUT IMPEDANCE OHMS (EACH HALF)		CAPACITANCE ± 50%		
	LOCATION SUPPLY	CURRENT DRAIN	TO 0.9 VDC	(KHz EQUIVALENTSPL)	MIN.	NOM.	MAX.	1 - 2	1-3	
ľ	1.3V	I.3V	50uA MAX.	3 dB MAX.	26.0 dB MAX.	4300	6900	10900	100pF	100pF

CAPACITANCE PROBE POINTS



Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
			Released		Α
WHEN TEST	MIDIDI309	I-08-07	INSPECTION ACCEPTANCE/REJECTION	DATE	
CRITERIA,	CORRELATION (OWLES IS ALSO REQUIRED FOR	SDZ	1-08-07
				CK. BY	DATE
TITLE:	MIC	ROPHONE	EK-23089-C48	GJP	1-10-07
	1111	MOI HOME	LN 20000 040	ADD DV	DATE

SHT 2.1

PERFORMANCE SPECIFICATION

APP. BY

DATE

1-10-07

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.