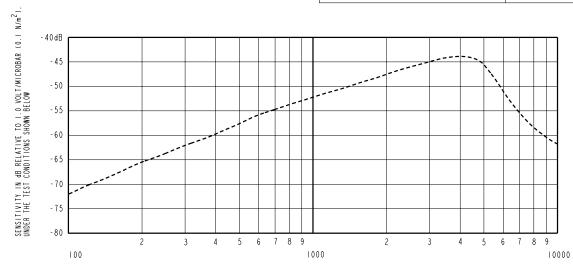


EL-23077-000 SHEET 2.1



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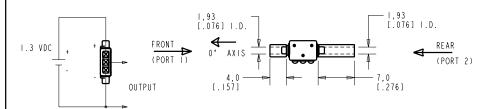
SENSITIVITY (0° ON AXIS)			DEVICE CONFORMITY	
FREQUENCY	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM I kHz
300		-62.0		-8.5 -11.5
1000	-54.0	-52.0	-50.0	0.0 0.0
3100-5100		-43.5		+3.5 +13.5

INTERNAL DELAY AT 1000Hz 54µS 62µS 70µS

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 1000 Hz IS 0.03 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 15m VOLTS AT 1 KHz AND 0 VDC INCLUDES CIRCUIT CAPACITANCE IN PARALLEL WITH CAPACITOR.
- 7. TEST CONDITIONS WITH TUBING DESCRIBED BELOW DIMENSIONS IN MILLIMETERS (INCHES)

PORT	DC	AMPLIFIER	SENSITIVITY CHANGE ON REDUCING SUPPLY	"A" WEIGHTED NOISE				CAPACITANCE ±50%		
LOCATION SUPPL	CURRENT DRAIN	TO 0.9VDC	(RE I.O VOLT)	MIN.	NOM.	MAX.	OUTPUT TO NEGATIVE	OUTPUT TO POSITIVE	POS. TO NEGATIVE	
35,95	1.3V	50 uA MAX	3 dB MAX.	-100.0 dB MAX.	2800	4400	6800	N/A	N/A	N/A



Revision	C.O. #		REVISION		
A	M10101526	8-3-07	Released		Α
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					DATE 8-3-07 DATE
TITLE:	MIC	ROPHONE	EL-23077-000	GJP APP. BY	8-8-07 Date

SHT 2.1

PERFORMANCE SPECIFICATION

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.