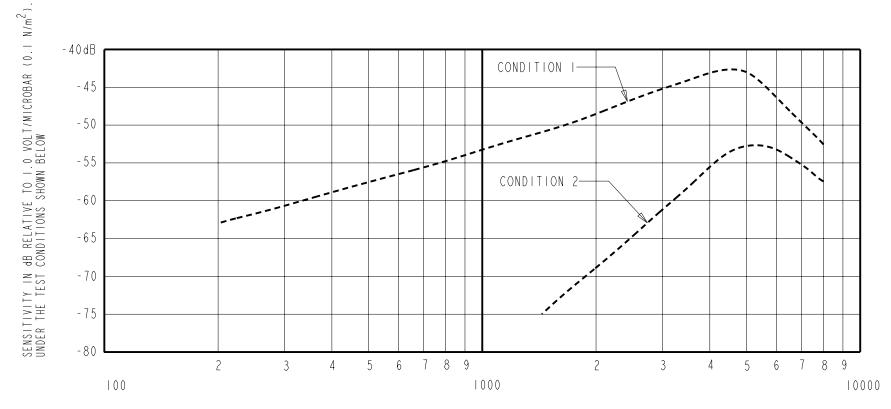


SHEET 2.1



FREQUENCY IN HERTZ

CONDITION | SENSITIVITY MIN. NOM. MAX.

FREQUENCY 300 -63.0 -55.0 -51.0 1000 -53.0 3400-5400 -43.0

DEVICE CONFORMITY RANGE OF DEVIATION FROM I kHz

CONDITION 2 CONDITION -8.5 -11.5 0.0 0.0 -20.0 MIN. +5.0 +15.0

> GRADES FOR IkHz SENSITIVITY WITH 1.3 V SUPPLY AND NO LOAD: FOR CONDITION I

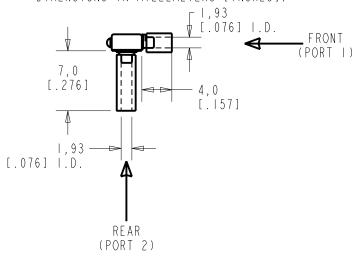
GRADE A : -51.00 TO -53.00 GRADE B : -53.01 TO -55.00

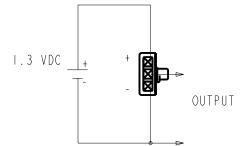
NOTES:

- I. OPEN CIRCUIT SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/MICROBAR (0.1 N/n²) NUDER THE TEST CONDITIONS SHOWN IN A9 BELOW.
- 2. DC SUPPLY: I.3V
- 3. AMPLIFIER CURRENT DRAIN: 50 μΑ MAX.
- 4. OUTPUT IMPEDANCE: 2800 TO 6800 OHMS (4400 OHMS NOMINAL).
- 5. CASE CONNECTED TO NEGATIVE TERMINAL.
- 6. SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9 VDC: 3 dB MAX.
- 7. "A" WEIGHTED NOISE (RE 1.0 VOLT): -100.0 dB MAX.

	PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (RE 1.0 VOLT)	OUTPUT IMPEDANCE OHMS		
						MIN.	NOM.	MAX.
ŀ	12S, 0JP	1.3V	50 μΑ MAX	3 dB MAX.	-100.0 dB MAX.	2800	4400	6800

TEST CONDITIONS WITH TUBING AND SIGNALS DESCRIBED BELOW: DIMENSIONS IN MILLEMETERS [INCHES].





SIGNAL "A" IS A REFERENCE SIGNAL OF 1.0 MICROBAR. SIGNAL "B" IS A PROBE SIGNAL DELAYED 56.8 MICROSECONDS WITH RESPECT TO SIGNAL "A" AND HAVING 0.981 TIMES THE AMPLITUDE.

FOR CONDITION I

FOR CONDITION 2

SIGNAL "A" IS APPLIED TO PORT I SIGNAL "B" IS APPLIED TO PORT 2

TITLE:

SIGNAL "A" IS APPLIED TO PORT 2 SIGNAL "B" IS APPLIED TO PORT I

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION	
			Released		Δ	
Α	M10101526	8 - 3 - 0 7			/ \	
WHEN TEST	DR. BY	DATE				
CRITERIA, (ELIMINATIO	LSY	8 - 3 - 07				

CK. BY

GJP

APP. BY

GJP

DATE

8-8-07

DATE

8 - 8 - 07

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION

MICROPHONE EL-23078-D44 PERFORMANCE SPECIFICATION SHT 2.1