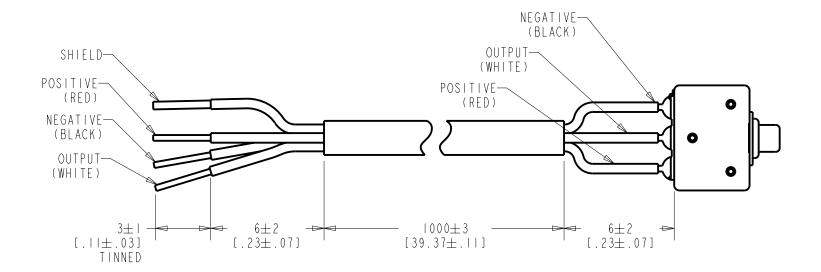
EK-23028-P22



NOMINAL WEIGHT . 4 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

## KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

Revision	ion C.O. # Implementation Date RELEASE LEVEL				REVISION
A	M10101055	3 - 1 4 - 0 6	Released		A
SCALE:	SCALE: 5:1			DR. BY	DATE
DO NOT SCALE DRAWING					3 -   4 - 06 DATE
TITLE:	MIC	ROPHONE	EK-23028-P22	GJP APP. BY	3-16-06 DATE
	OUTL	INE DRAWING	SHT I.I	GJP IASIZE, FRM	3-16-06 Rev: B

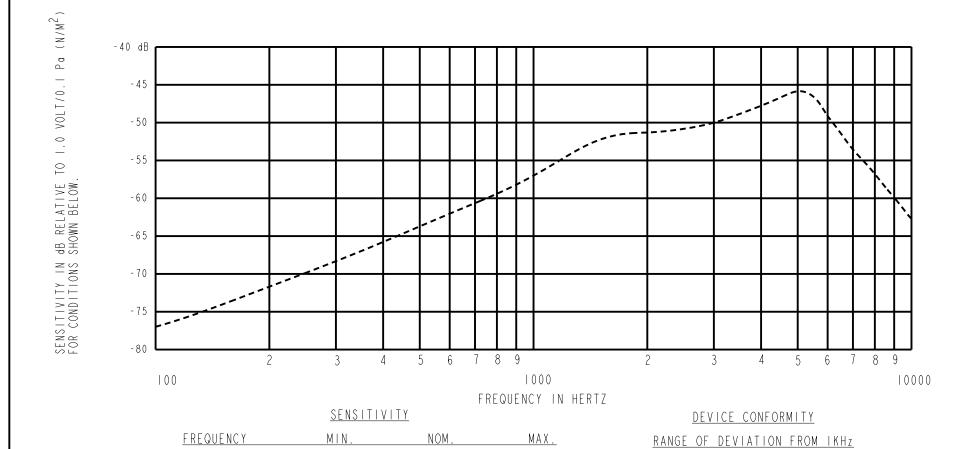
-12.5

0.0

+6.0

-9.5 0.0

+ | 6.0



## NOTES:

1000

4300-5700

- I. CASE CONNECTED TO NEGATIVE TERMINAL.
- 2. MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.

- - -

-60.0

-68.0

-57.0

-46.0

3. CONFORMS TO REQUIREMENTS SHOWN ON 'ELECTRET MICROPHONE ENVIRONMENTAL QUALIFICATIONS TEST, EK-PA SHEET 2.2' WITH REF. FREQ. 1000 Hz.

- - -

-54.0

- 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 MEASUREMNET MADE WITH BOON TON MODEL 7200 OR EQUIVALENT WITH APPLIED AC VOLTAGE OF 15 mVOLTS AT 1 MHz AND 0 VDC. INCLUDES CIRCUIT CAPACITANCE IN PARALLEL WITH CAPACITOR.

PORT DC	AMPLIFIER	SENSITIVITY CHANGE	"A" WEIGHTED NOISE	OUTPUT IMPEDANCE OHMS			
LOCATION	SUPPLY	CURRENT DRAIN	TO 0.9VDC	(RE I.O VOLT)	MIN.	NOM.	MAX.
128	1.3V	50 uA MAX.	3 dB MAX.	-100.0 dB MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			_	A
			l Released	ΙΔ
Α	M10101055	3 - 1 4 - 0 6		/ \

**KNOWLES ELECTRONICS** ITASCA, ILLINOIS U.S.A.

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

MMM MICROPHONE

ON OF EQUIPMENT AND TEST METHOD VARIATION	MMM	3 - 1 4 - 0 6	
	CK. BY	DATE	
MICROPHONE	GJP	3-16-06	
MICKOLITORE	EK-23028-P22	APP. BY	DATE
PERFORMANCE SPECIFICATION	SHT 2.1	GJP	3-16-06

DATE