2,77±0,05 [.109±.002] [.0635±.0025]

→ 5,56±0,02

 $[.219\pm.001]$

EA-26520-000

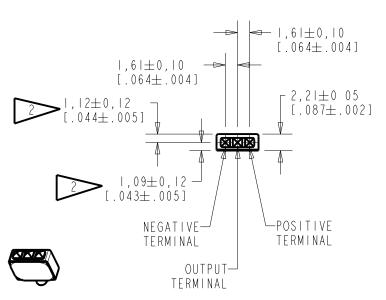
SHT I.I

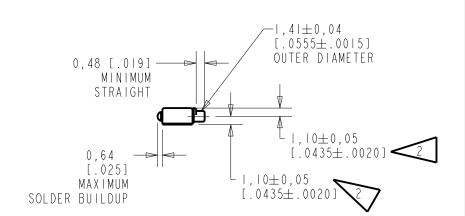
NOTE:

I. INCREASED PRESSURE AT THE SOUND INLET CAUSES A POSITIVE GOING VOLTAGE TO APPEAR AT THE OUTPUT TERMINAL, RELATIVE TO THE NEGATIVE TERMINAL.



LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO ± 0.17 [.007].





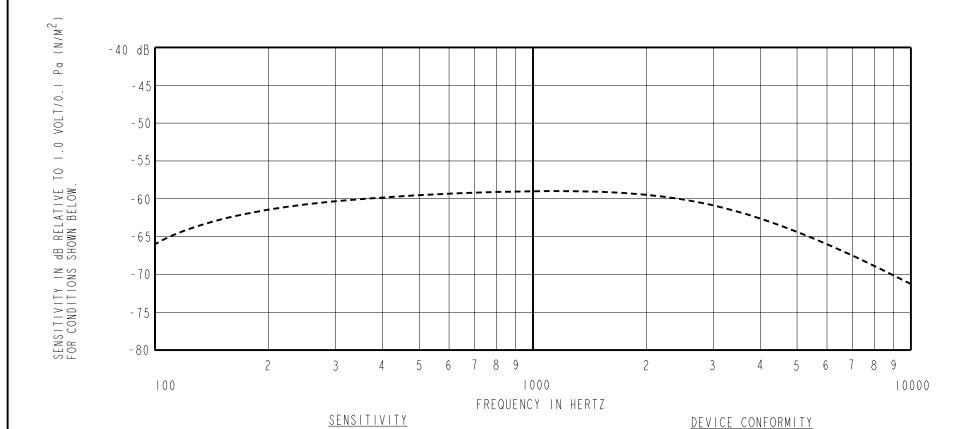
NOMINAL WEIGHT .13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

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Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
В	M10103758	7-1-10	Active		В
SCALE:	MI0I0I337 12-14-06 2:1			DR. BY	DATE
	DO NOT SCALE DRAWING			CK. BY	12-14-06 DATE
TITLE:	MIC	ROPHONE	EA-26520-000	GJP APP. BY	12-19-06 DATE
	OUTL	INE DRAWING	SHT I.I	G.IP	12-19-06





MAX.

- - -

-56.0

RANGE OF DEVIATION FROM IKHZ

-4.0

0.0

-2.0

- | | . 0

0.0

-8.0

NOM.

-66.0

-59.0

-64.0

NOTES:

FREQUENCY

100

1000

4800

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

MIN.

-62.0

3. CONFORMS TO REQUIREMENTS SHOWN ON 'ELECTRET MICROPHONE ENVIRONMENTAL QUALIFICATION TEST, SHEET 2.2'.

PORT	DC	 AMPLIFIER	SENSITIVITY CHANGE ON REDUCING SUPPLY	IVITY CHANGE "A" WEIGHTED NOIS		· IMPEDANCE OHMS	
LOCATION		TO 0.9VDC	' (I kHz EQUIV. SPL)	MIN.	NOM.	MAX.	
128	1.3V	50 μΑ MAX.	3 dB MAX.	29.5 dB MAX.	2000	3500	6000

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION	
B A	MI0103758 MI0101337	7 - I - I 0 I 2 - I 4 - 06	Active	В		
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			DR. BY LSY CK. BY	DATE 12-14-06 DATE		
TITLE:	MIC	ROPHONE	EA-26520-000	GJP	12-19-06	

PERFORMANCE SPECIFICATION

APP. BY

12-19-06

SHT 2.1

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WHEN THESE TESTS ARE USED TO ESTABLISH PRODUCT QUALIFICATION, CORRELATION OF TEST EQUIPMENT WITH KNOWLES ELECTRONICS IS ALSO REQUIRED TO ELIMINATE EQUIPMENT AND TEST METHOD VARIATION.

BECAUSE THIS IS AN ACCELERATED LIFE TEST, IT FOLLOWS THAT THE UNITS WHICH HAVE BEEN TESTED WILL NOT QUALIFY AS IN-WARRANTY RETURNS. SINCE THESE TESTS ARE DESTRUCTIVE IN NATURE, DEVICES SUBJECTED TO THESE TESTS SHOULD NOT BE USED IN PRODUCTION.

I. ACCELERATED DAMP HEAT TEST.

I.I PRECONDITIONING:

TIME - 16 HOURS TEMPERATURE - 22°C ±1°C HUMIDITY - 60% MAX. R.H.

1.2 TEST CONDITIONS:

TIME AT CONDITIONS: - 1000 HOURS - 63°C ±1°C TEMPERATURE HUMIDITY - 95% R.H. ±2% VOLTAGE STRESS - DETAILED FIG. I

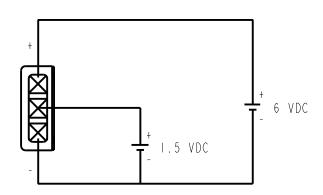


FIG. I

(AVOID CONDENSATION FALLING ON UNITS UNDER TEST.)

1.3 INITIAL MEASREMENTS:

AFTER PRECONDITIONING, MEASURE SENSITIVITY PER SHEET 2.1 OF THE APPLICABLE KNOWLES ELECTRONICS MICROPHONE PERFORMANCE SPECIFICATION.

I.4 TEST PROCEDURE:

INSERT UNIT(S) INTO TEST CHAMBER PER CONDITIONS OF 1.2.

1.5 RECOVERY:

- 2 HOURS TIME TEMPERATURE - 22°C ± 1°C HUMIDITY - 60% MAX. R.H.

I.6 FINAL MEASUREMENTS:

MEASURE SENSITIVITY PER CONDITIONS DESCRIBED ON SHEET 2.1.

I.7 REQUIREMENT:

NO UNITS WILL BE INOPERATIVE FOLLOWING THE TEST AND RECOVERY CYCLE.

2. SHOCK TEST

2.1 PRECONDITIONING:

TIME - 16 HOURS TEMPERATURE - 22°C ± 1°C HUMIDITY - 60% MAX. R.H.

2.2 TEST CONDITIONS:

HALF-SINE IMPULSE DURATION - 100 MICROSECONDS PEAK AMPLITUDE - 20,000 g

SPURIOUS DEVIATIONS IN THE HALF-SINE IMPULSE CURVE SHALL BE REDUCED TO WHERE RESULTS ARE NOT APPRECIABLY AFFECTS.

UNIT(S) TO BE SUBJECTED TO THE TEST CONDITIONS EITHER IN THE COVER UP OR COVER DOWN ORIENTATION.

2.3 INITIAL MEASUREMENTS:

AFTER PRECONDITIONING, MEASURE AND RECORD THE 1 kHz SENSITIVITY PER SHEET 2.1 OF THE APPLICABLE KNOWLES ELECTRONICS MICROPHONE PERFORMANCE SPECIFICATION.

2.4 TEST PROCEDURE:

STRESS UNIT(S) ACCORDING TO THE ABOVE 2.2 TEST CONDITIONS.

2.5 RECOVERY:

UNITS TO BE MEASURED IMMEDIATELY AFTER TEST CYCLE.

2.6 FINAL MEASUREMENTS:

MEASURE AND RECORD THE I kHz SENSITIVITY PER SHEET 2.1.

2.7 REQUIREMENT:

THE UNIT(S) SHALL SHOW A MAXIMUM CHANGE IN IKHZ SENSITIVITY (INITIAL TO FINAL) OF 1.0 dB AS A RESULT OF THE TEST CYCLE.

	Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
	<u>В</u>	M10103758 M10101337	7 - I - I 0 I 2 - I 4 - 0 6	Active		В
				INSPECTION ACCEPTANCE/REJECTION WLES IS ALSO REQUIRED FOR		DATE
LES ELECTRONICS	ELIMINATIO	N OF EQUIPMEN	NT AND TEST METHOD VARIATI		CK. BY	12-14-06 DATE
CA, ILLINOIS U.S.A.	TITLE:	MIC	ROPHONE	EA-26520-000	GJP APP. BY	12-19-06
		PERFORMAN	NCE SPECIFICATION	SHT 2.2	GJP	12-19-06

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