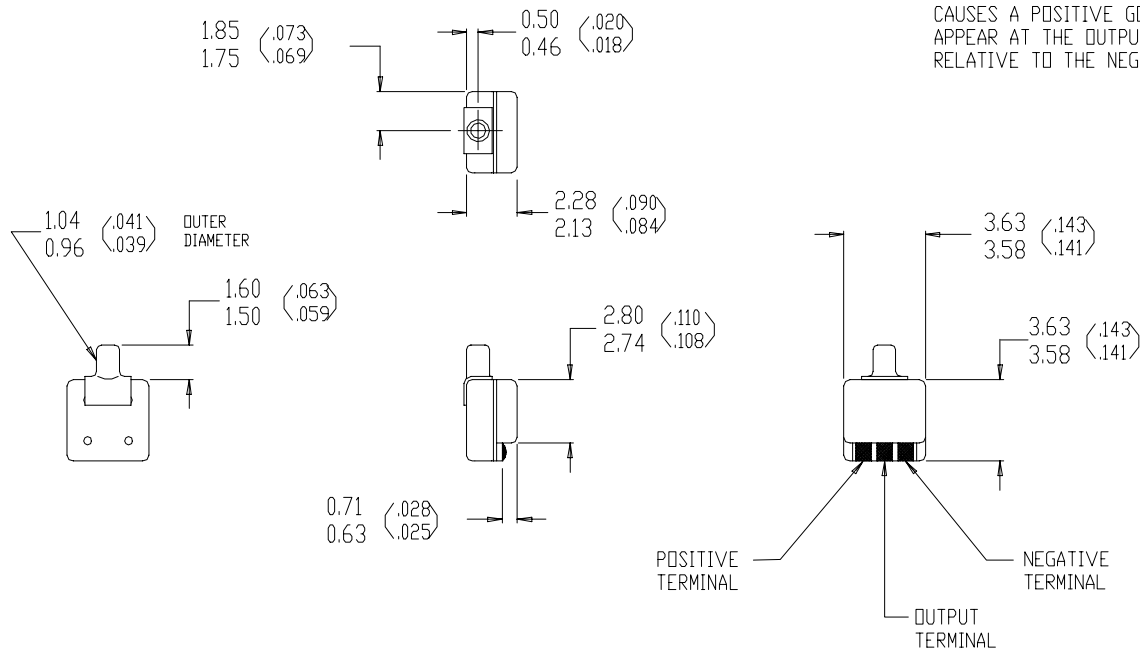


NOTE:

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



NOMINAL WEIGHT
.08 GRAM

DIMENSIONS IN MILLIMETERS (INCHES)

EM-3468-C
EM-3468
EM-3447
EM-3446-C
EM-3446
EM-3368
EM-3347-C
EM-3347
EM-3346-C
EM-3346
EM-3068
EM-3047-C
EM-3047
EM-3046-C
EM-3046
MODEL NO.

ISSUE

K

KNOWLES ELECTRONICS

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

KNOWLES ELECTRONICS, CO., BURGESS HILL, SUSSEX, ENGLAND

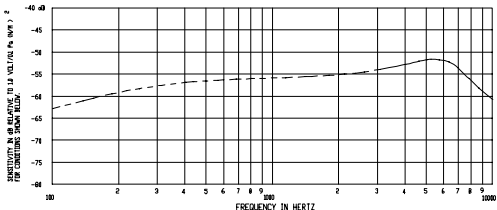
SCALE: 4:1

DO NOT SCALE DRAWING

DR. BY DATE
BCR 6-14-95CK. BY DATE
SJM 7-7-95APP. BY DATE
DRK 7-10-95

TITLE:

MICROPHONE
OUTLINE DRAWINGEM-0A
SHT 1.1



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1 KHz	
100	---	-63.0	---	-10.0	-3.0
1000	-59.0	-56.0	-53.0	0.0	0.0
5000	---	-51.5	---	+1.5	+7.5

- NOTES: 1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
3. TYPICAL SENSITIVITY TO HUMIDITY AT 3000Hz IS 0.03 dB/2RH
4. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
5. CAPACITANCE MEASUREMENT MADE WITH BOONTON MODEL 7200 OR EQUIVALENT WITH APPLIED AC VOLTAGE OF 15 mVOLTS AT 1 MHz AND 0 VDC. INCLUDES CIRCUIT CAPACITANCE IN PARALLEL WITH CAPACITOR.

MODEL NUMBER	OUTLINE DRAWING	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 5VDC	*A* WEIGHTED NOISE (1 KHz EQUIVALENT SPL)	OUTPUT IMPEDANCE OHMS			CAPACITANCE nSIX	
						MIN.	NOM.	MAX.	1-2	1-3
EM-3046	EM-DA	1.3V	50uA MAX.	3 dB MAX.	31.0 dB MAX.	2800	4400	6800	N/A	N/A
EM-3046-C	EM-DA	1.3V	50uA MAX.	3 dB MAX.	31.0 dB MAX.	2800	4400	6800	36pF	36pF
EM-3046-CX	EM-DH	1.3V	50uA MAX.	3 dB MAX.	31.0 dB MAX.	2800	4400	6800	75pF	75pF

CAPACITANCE PROBE POINTS

C VERSION ONLY



CX VERSION



KNOWLES ELECTRONICS

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

KNOWLES ELECTRONICS, CO., BURGESS HILL, SUSSEX, ENGLAND

When test units are used to establish incoming inspection acceptance/rejection criteria, condition of test equipment and fixtures is also required for direction of equipment and test method variations.

TITLE

MICROPHONE

PERFORMANCE SPECIFICATION

EM-PA

SHT 21

DR. BY DATE

BCR 6-14-95

DR. BY DATE

S.M. 7-7-95

APP. BY DATE

DRK 7-10-95

ISSUE

D