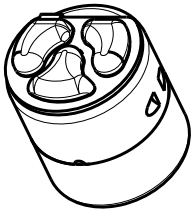
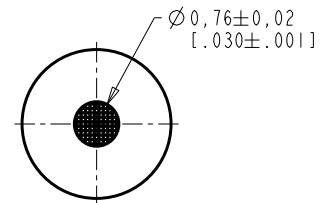
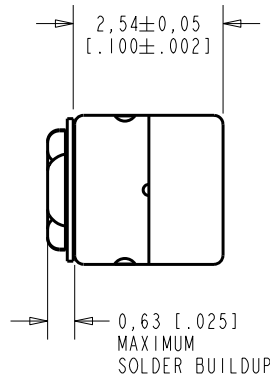
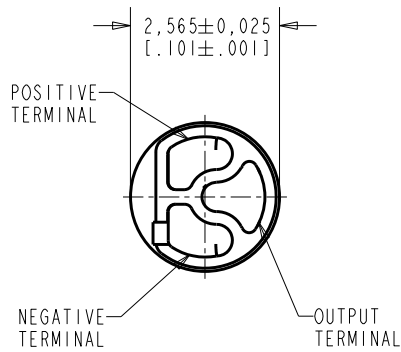


FC-23653-C56

SHT 1.1

NOTES:

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



DIMENSIONS IN MILLIMETERS [INCHES]

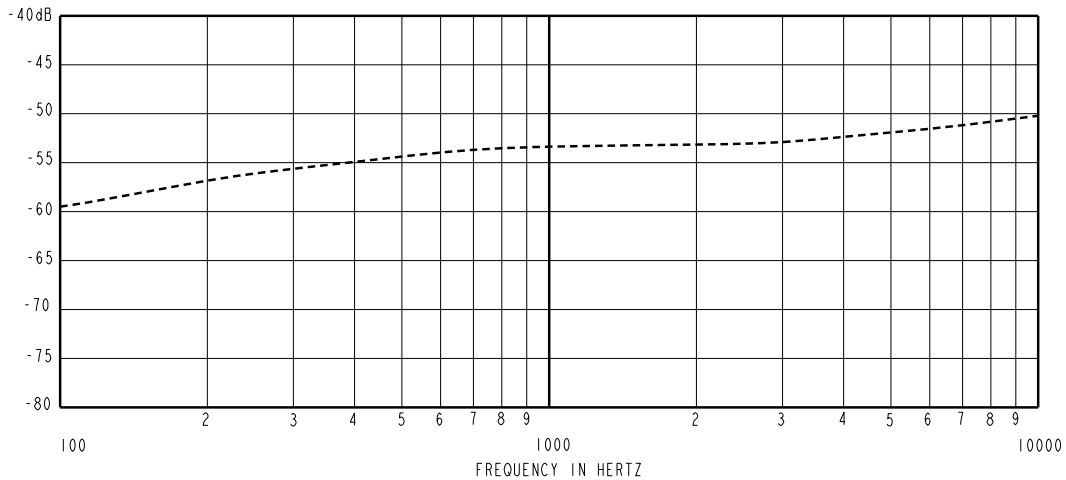
KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
E	M10103600	4-21-10	Active	E
D	M10103026	10-13-09		
SCALE: 10:1			DR. BY	DATE
DO NOT SCALE DRAWING			MMM	1-20-06
			CK. BY	DATE
TITLE: MICROPHONE		FC-23653-C56	GJP	1-25-06
			APP. BY	DATE
OUTLINE DRAWING		SHT 1.1	GJP	1-25-06

RE111AS12E.FRM

Rev: B

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M²) FOR CONDITIONS SHOWN BELOW.

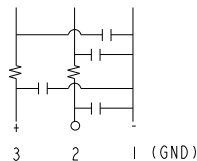


FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-59.0	---	-10.0	-3.0
1000	-56.0	-53.0	-50.0	0.0	0.0
10000	---	-50.0	---	-0.0	+6.0

- NOTES:
1. CASE CONNECTED TO NEGATIVE TERMINAL.
 2. MICROPHONE TO BE FUNCTIONAL WITH 1.6 VDC SUPPLY.
 3. TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.06 dB/%RH
 4. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (1 kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS			CAPACITANCE ±50%	
					MIN.	NOM.	MAX.	1-2	1-3
12S	1.3V	50 µA MAX.	3 dB MAX.	30.0 dB MAX.	2800	4400	6800	13pF	13pF

CAPACITANCE PROBE POINTS



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
E	M10103600	4-21-10	Active	E
D	M10103026	10-13-09		

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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

TITLE: **MICROPHONE** **FG-23653-C56**
PERFORMANCE SPECIFICATION **SHT 2.1**

DR. BY	DATE
MMM	1-20-06
CK. BY	DATE
GJP	1-25-06
APP. BY	DATE
GJP	1-25-06