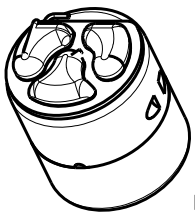
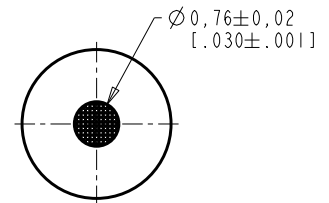
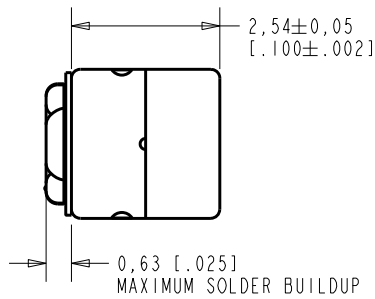
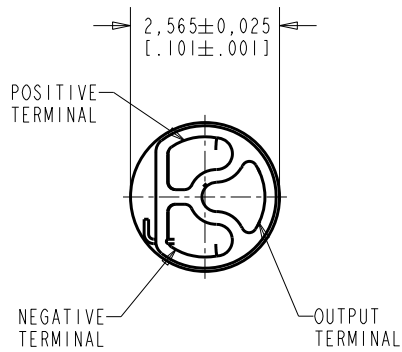


FC-23629-D58  
SHT 1.1



DIMENSIONS IN MILLIMETERS [INCHES]

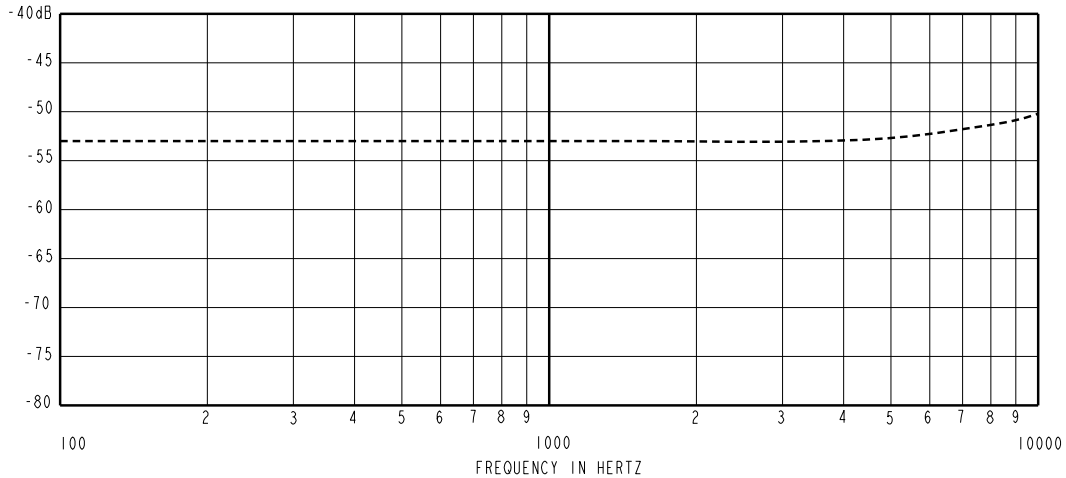
**KNOWLES ELECTRONICS**  
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	G
G	M10103600	4-12-10		
SCALE: 10:1			DR. BY	DATE
DO NOT SCALE DRAWING			AB	6-23-06
			CK. BY	DATE
TITLE: MICROPHONE		FC-23629-D58	GJP	7-10-06
			APP. BY	DATE
OUTLINE DRAWING		SHT 1.1	GJP	7-10-06

RE111AS1ZE.FRM

Rev: B

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M<sup>2</sup>)  
FOR CONDITIONS SHOWN BELOW.

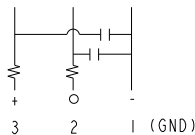


FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-53.0	---	-3.0	+3.0
1000	-56.0	-53.0	-50.0	0.0	0.0
10000	---	-50.0	---	-0.0	+6.0

- 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.

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
1.3V	50 µA MAX.	3 dB MAX.	28.0 dB MAX.	2800	4400	6800	33pF	33pF

CAPACITANCE PROBE POINTS



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
G	M10103600	4-12-10	Active	G

**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

TITLE: **MICROPHONE** **FC-23629-D58**  
PERFORMANCE SPECIFICATION **SHT 2.1**

DR. BY	DATE
AB	6-23-06
CK. BY	DATE
GJP	7-10-06
APP. BY	DATE
GJP	7-10-06