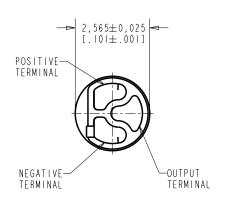
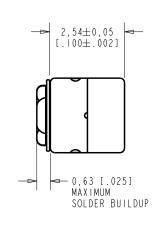
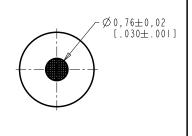
FG-23653-D45

NOTES:

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









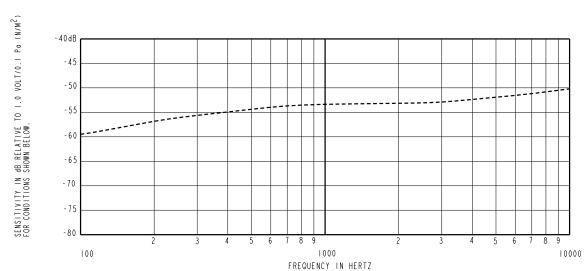
DIMENSIONS IN MILLIMETERS [INCHES]

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Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
F	M10103600	4-20-10			
E	M10103261	10-26-09	1 Active	l .	l
D	M10102455	12-23-08	7 // // //	*	<u> </u>
SCALE: 10:1				DR. BY	DATE
					9-22-05
DO NOT SCALE DRAWING					DATE
TITLE:	MIC	ROPHONE	FC-23653-D45	GJP	9-26-05
	1-1 1 0	NOI HONE	1 0 20000 070	APP. BY	DATE
	OUTL	INE DRAWING	SHT I.I	GJP	9-26-05
	ASIZE, FRM	Rev: B			

 $Downloaded \ from \ \underline{Elcodis.com} \ \ electronic \ components \ distributor$

FG-23653-D45



<u>SENSITIVITY</u>

 FREQUENCY
 MIN.
 NOM.
 MAX.

 100
 -- -59.0
 --

 1000
 -56.0
 -53.0
 -50.0

 10000
 -- -50.0
 --

DEVICE CONFORMITY

NOTES: I. 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 S	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (I kHz EQUIV. SPL)	OUTPUT	PUT IMPEDANCE OHMS		CAPACITANCE ±50%	
					MIN.	NOM.	MAX.	1 - 2	1-3
128	1.3V	50 μA MAX.	3 dB MAX.	30.0 dB MAX.	2800	4400	6800	I3pF	I 3pF

CAPACITANCE PROBE POINTS

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION	
F	M10103600	4-20-10				
E	M10103261	10-26-09	Active		l F	
D	M10102455	12-23-08			ı	
WHEN TEST I	IMITS ARE US	ED TO ESTABLISH INCOMING	INSPECTION ACCEPTANCE/REJECTION D	R. BY	DATE	

9-22-05

9-26-05

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WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION OF CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION

MICROPHONE FC-23653-D45
PERFORMANCE SPECIFICATION SHT 2.1 GJP