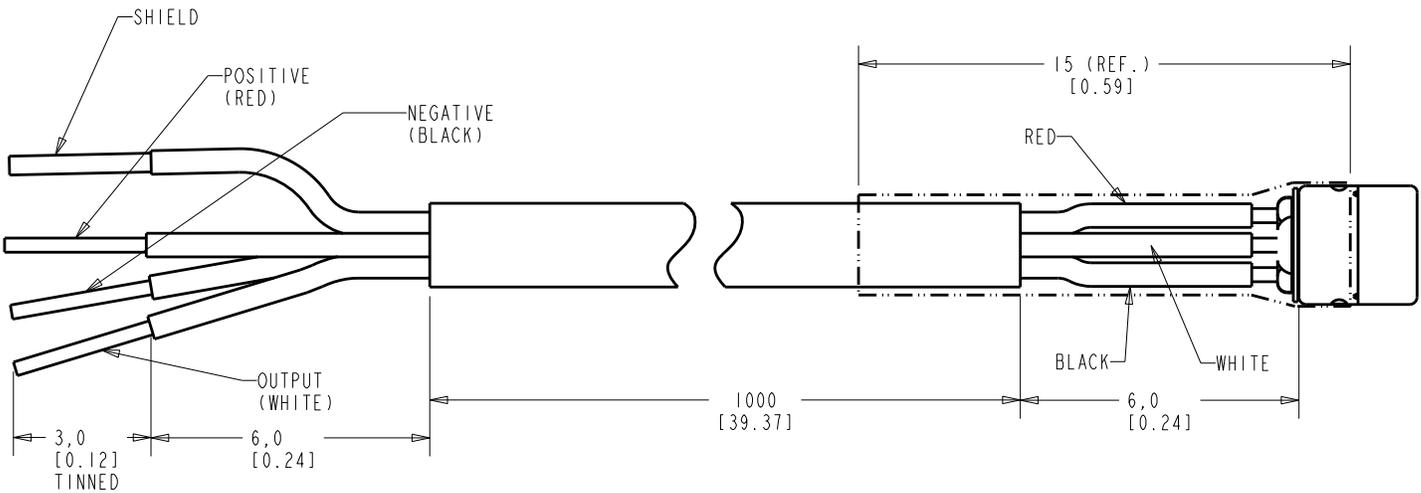


FG-23329-P07

SHT 1.1



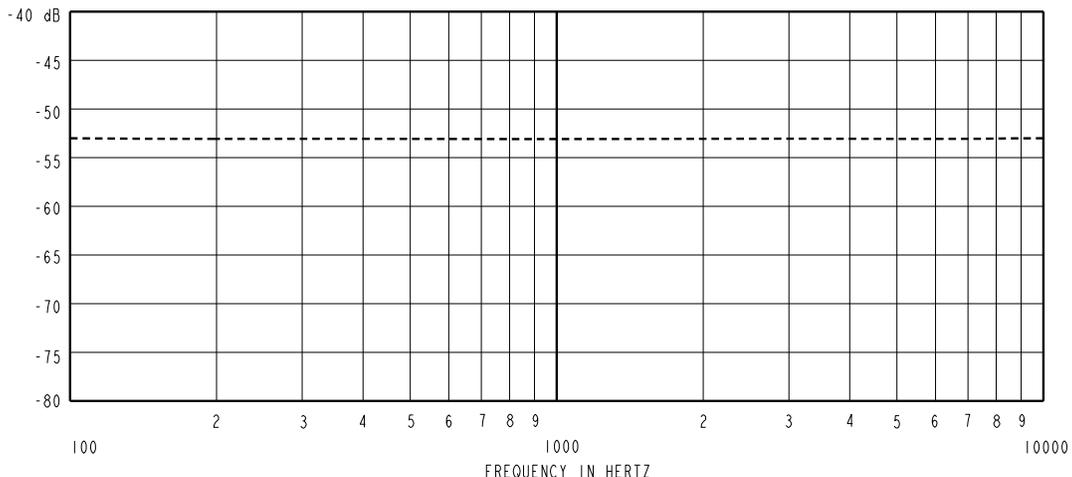
DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	M10103048	8-7-09	Active	C
B	M10101572	10-12-07		
A	M10100901	11-21-05		
SCALE: 8:1			DR. BY	DATE
DO NOT SCALE DRAWING			MMM	11-21-05
TITLE: MICROPHONE / CABLE			CGP	11-22-05
OUTLINE DRAWING			APP. BY	DATE
FG-23329-P07			GJP	11-22-05
SHT 1.1			Rev: B	

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HE111AS12E.FRM Rev: B

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



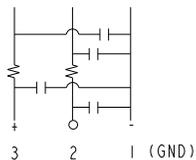
FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-53.0	---	-3.0	+3.0
1000	-56.0	-53.0	-50.0	0.0	0.0
10000	---	-53.0	---	-3.0	+3.0

NOTES:

- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 3.0 VDC SUPPLY.
- TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.06 dB/%RH.
- 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 (1KHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS			CAPACITANCE ±50%	
					MIN.	NOM.	MAX.	OUTPUT TO NEGATIVE	OUTPUT TO POSITIVE
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
C	MI0103048	8-7-09	Active	C
B	MI0101572	10-12-07		
A	MI0100901	11-21-05		

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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		DR. BY MMM	DATE 11-21-05
TITLE: MICROPHONE /CABLE PERFORMANCE SPECIFICATION	FC-23329-P07 SHT 2.1	CK. BY GJP	DATE 11-22-05
		APP. BY GJP	DATE 11-22-05