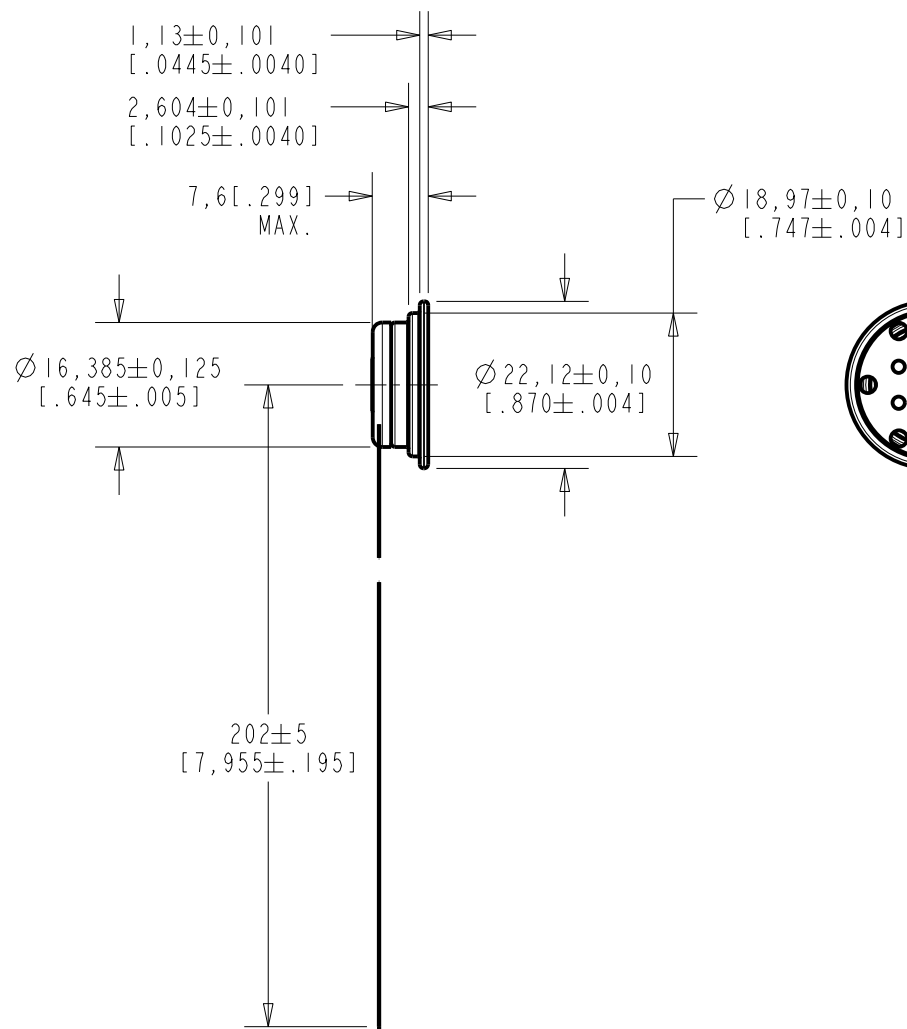


MR-28406-000

SHT 1.1



NOTE:

RESISTANCE OF
100 KIL OHM
MINIMUM BETWEEN
BLACK -ve LEAD
AND FRONT HOUSING

RED +ve
BLACK -ve
WHITE OUTPUT

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	MI0103544	2-23-10	Active	B
A	MI0101178	8-21-06		

SCALE:

1:1

DO NOT SCALE DRAWING

TITLE WATERPROOF MICROPHONE

MR-28406-000

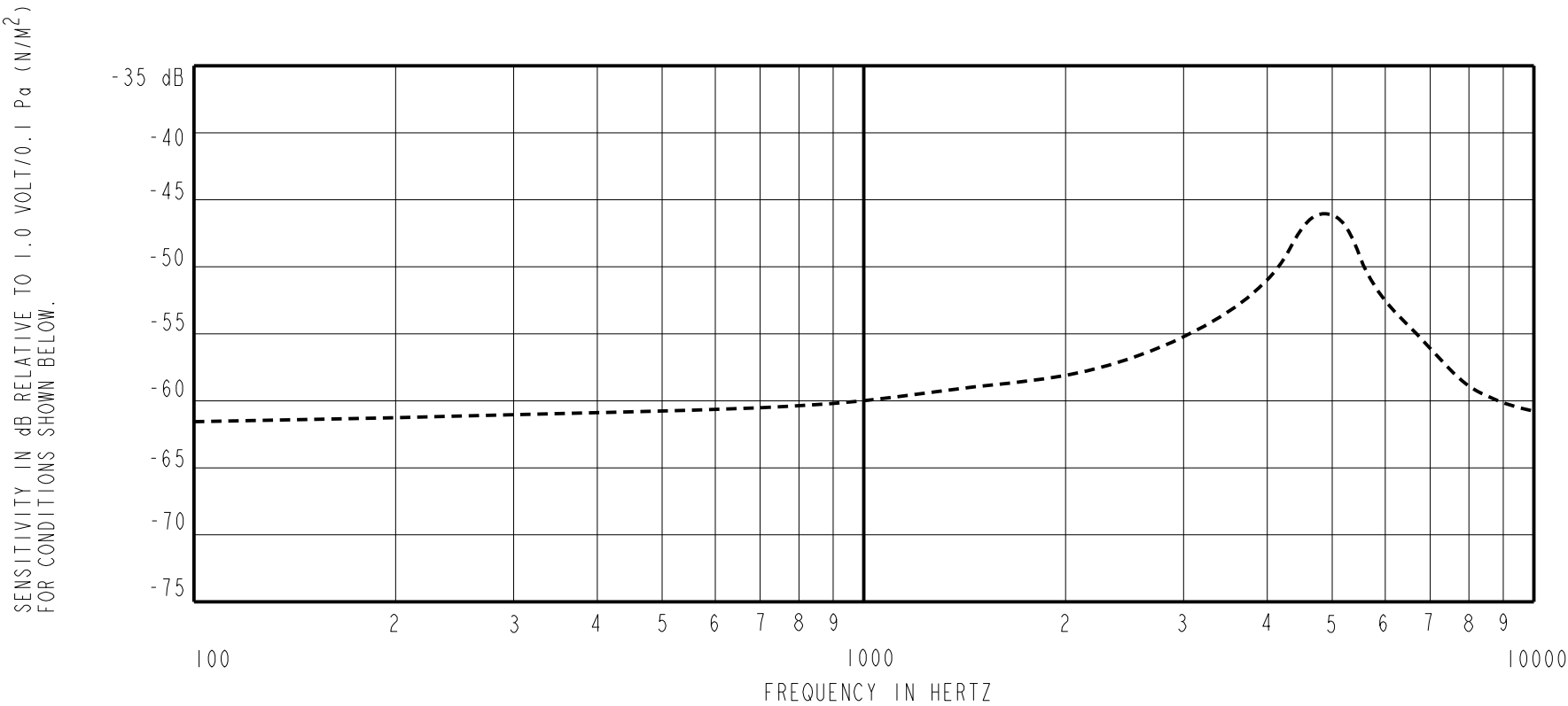
OUTLINE DRAWING

SHT 1.1

DR. BY	DATE
LSY	8-21-06
CK. BY	DATE
GJP	8-25-06
APP. BY	DATE
GJP	8-25-06

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

NO DAMPING

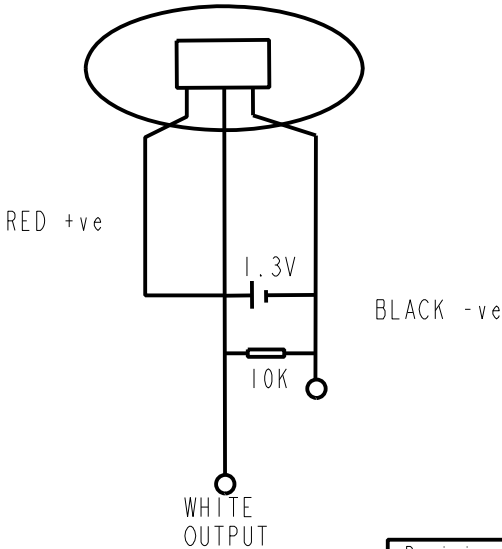


FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-61.5	---	-4.0	+2.0
1000	-65.0	-60.0	-58.0	---	---
4700 APPROX	---	-47.0	---	+8.0	+20.0

NOTES:

- 1.CASE OF MICROPHONE CONNECTED TO NEGATIVE BLACK LEAD.
- 2.BELLOWS HOUSING INSULATED FROM MICROPHONE CASE.
- 3.MICROPHONE TO BE FUNCTIONAL WITH 20 VDC SUPPLY.
- 4.CONFORMS TO REQUIREMENTS SHOWN ON "ELECTRET MICROPHONE ENVIRONMENTAL QUALIFICATION TEST, BT-1759 SHEET 2.2.
- 5.INDIVIDUAL SPECIFICATIONS.

LOAD RESISTANCE ON OUTPUT FOR SENSITIVITY OHMS	DC SUPPLY V	OUTPUT IMPEDANCE OHMS			AMPLIFIER CURRENT DRAIN uA MAX.	SENSITIVITY CHANGE ON REDUCING SUPPLY TO .9VDC	"A" WEIGHTED NOISE 1KHZ EQUIVALENT SPL dB SPL MAX
		MIN.	MOM.	MAX.			
10000	1.3	2000	3500	6000	50	3 dB MAX.	30



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Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
B	M10103544	2-23-10	Active		B
A	M10101178	8-21-06			
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	DATE
				LSY	8-21-06
TITLE: WATERPROOF MICROPHONE				CK. BY	DATE
				GJP	8-25-06
PERFORMANCE SPECIFICATION				APP. BY	DATE
				GJP	8-25-06
			MR-28406-000		
			SHT 2.1		

MR-28406-000
SHT 2.1