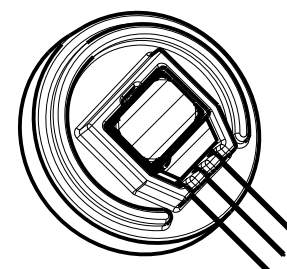
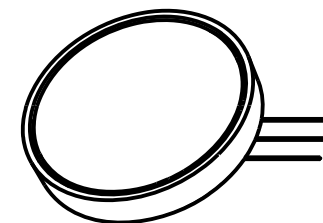
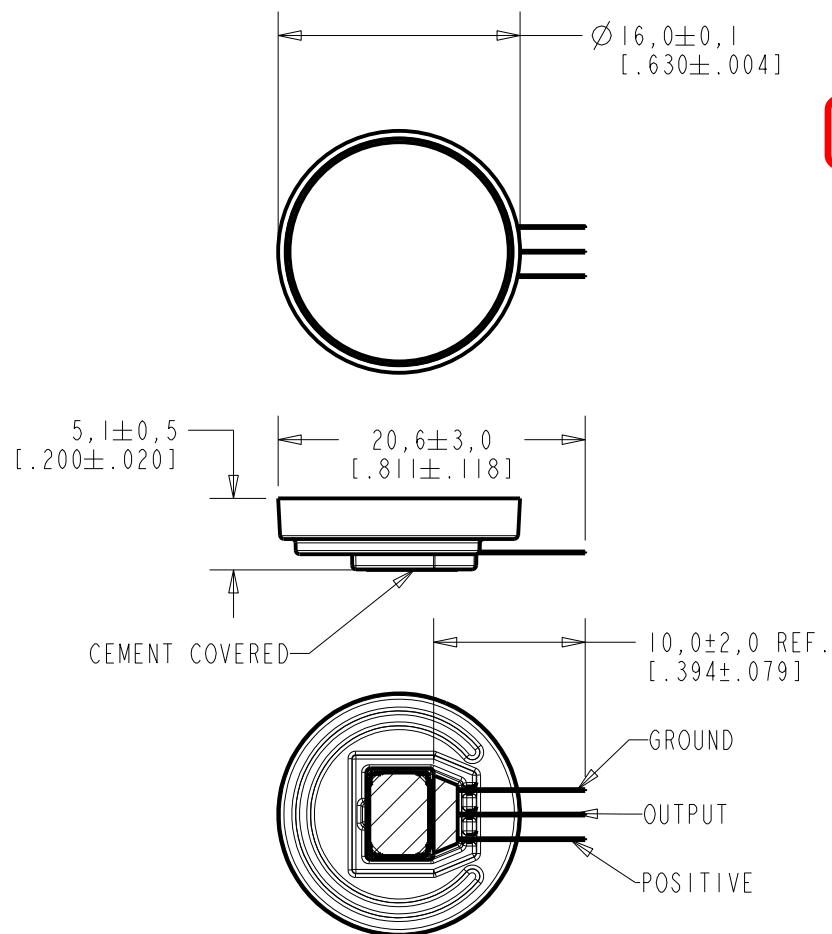


VEK-F-30460-000
SHT 1.1

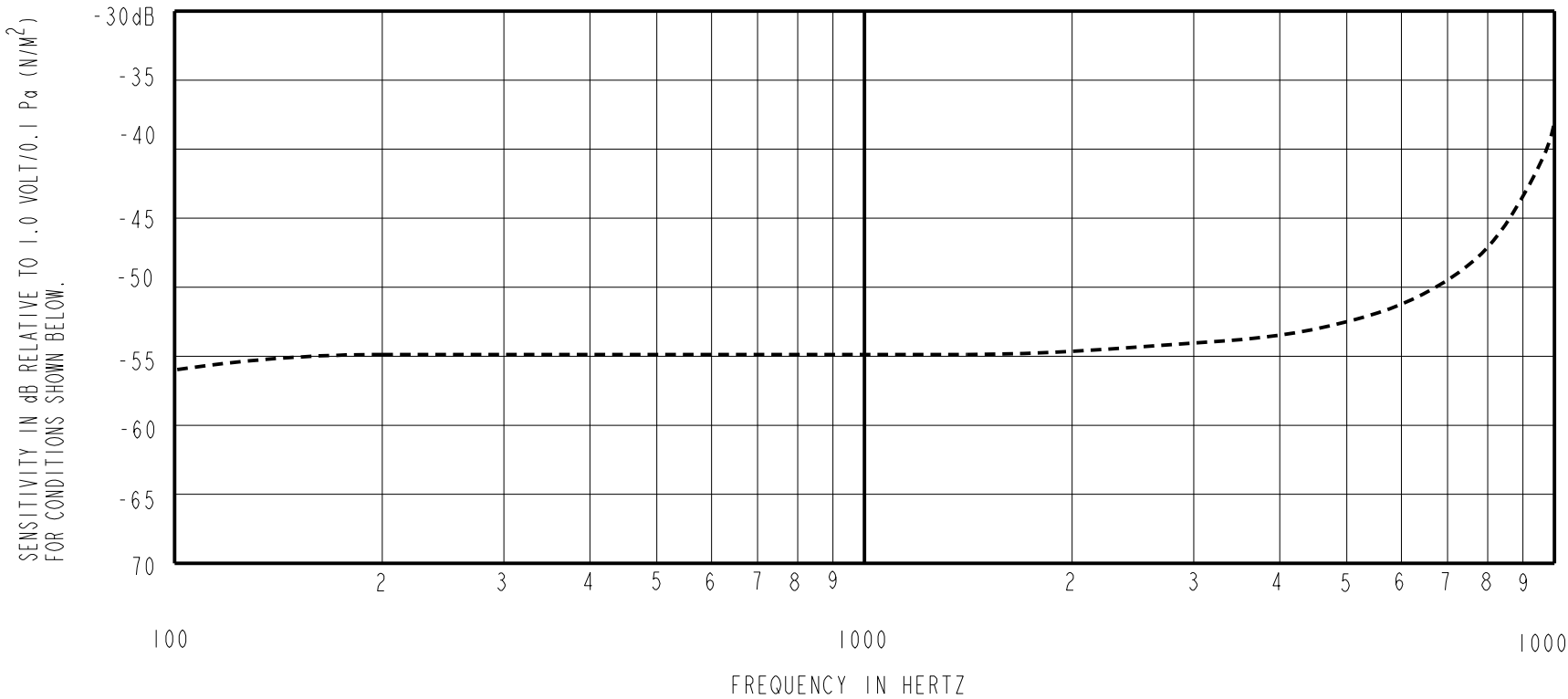
RED CONTROLLED



DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
E	C40101206	3-7-13	Active	E
D	C10107779	8-20-08		
SCALE: 2:1			DR. BY TT	DATE 4-8-08
DO NOT SCALE DRAWING			CK. BY GJP	DATE 4-17-08
WATERPROOF MICROPHONE & CABLE			APP. BY GJP	DATE 4-17-08
OUTLINE DRAWING			VEK-F-30460-000 SHT 1.1	

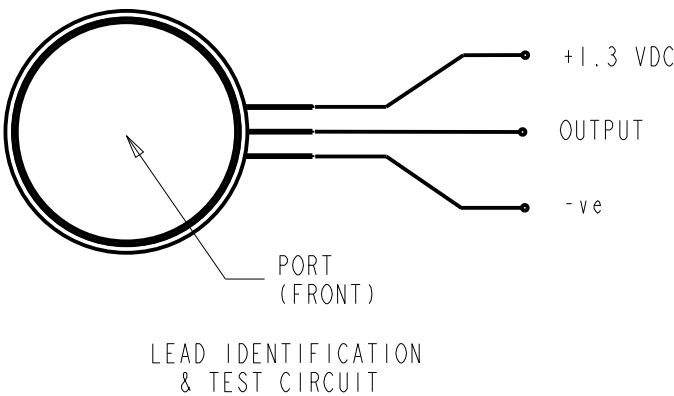


RED CONTROLLED

FREQUSNCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-56.0	---	-4.0	+2.0
1000	-58.0	-55.0	-52.0	0.0	0.0
10000	---	-38.0	---	+12.0	+22.0

NOTES:

- MICROPHONE TO BE FUNCTION WITH 10 VDC SUPPLY.
- SENSITIVITY VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
- TEST CONDITIONS:
SEAL PRODUCT TO 74 dBSPL SWEPT
SOUND FIELD CREATED BY VOICE APERTURE.
ARTIFICIAL VOICE:
B & k 4227 MOUTH SIMULATOR.
- FOR MICROPHONE CAPSULE SPEC. SEE DRAWING EK-23132-C36 SHEET 2.1.
- SURVIVES SUBMERSION IN 1m OF WATER FOR 30 MINUTES;
SENSITIVITY WITHIN 3dB OF INITIAL SENSITIVITY AFTER DRIED
FOR 30 MINUTES AT ROOM TEMPERATURE.



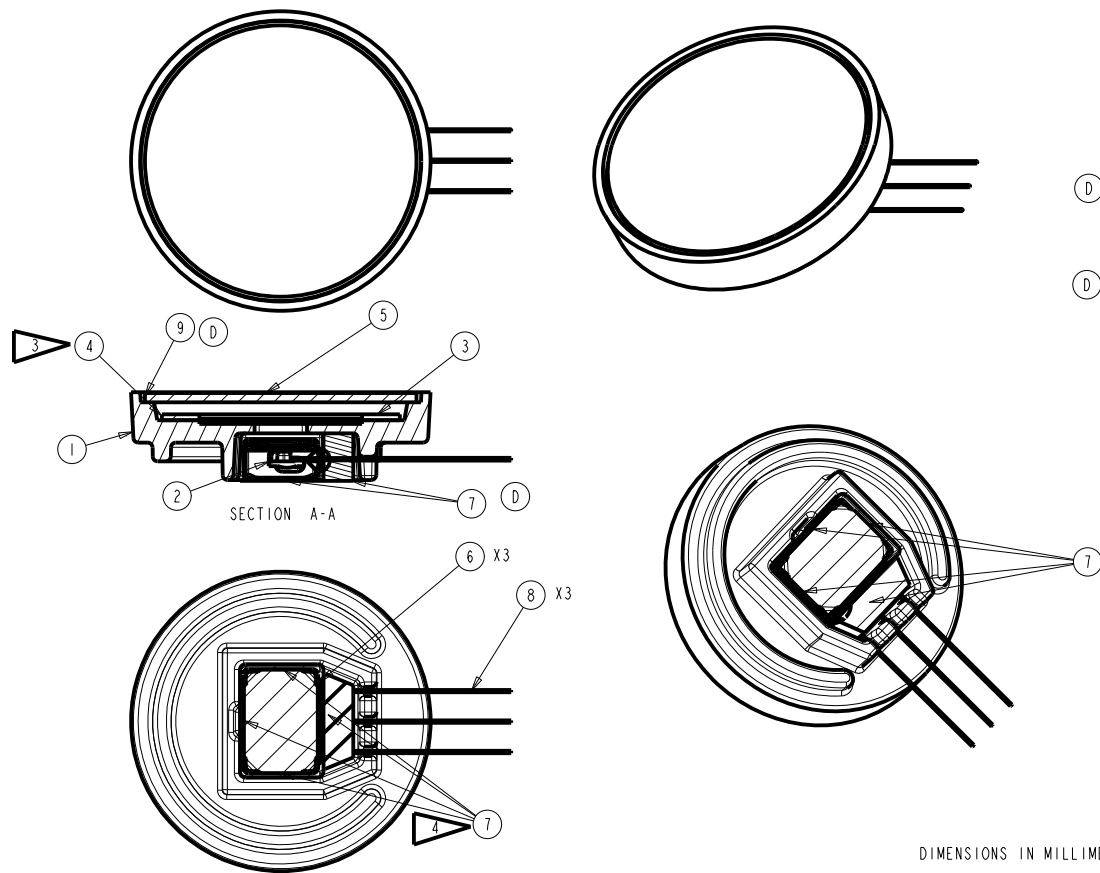
KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
E	C40101206	3-7-13	Active	E
D	C10107779	8-20-08		
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 TT	DATE 4-8-08
TITLE			CK. BY GJP	DATE 4-17-08
PERFORMANCE SPECIFICATION			APP. BY GJP	DATE 4-17-08

WATERPROOF MICROPHONE&CABLE
VEK-F-30460-000
SHT 2.1

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VEK-F-30460-000



NOTES:

1. ITEM NUMBERS (SHOWN THUS ) ON DRAWING CORRESPOND WITH ITEM NUMBERS ON BILL OF MATERIAL.
2. ATTACH ITEM  TO ITEM  USING CEMENT ITEM .
3. WATERPROOF SEAL BETWEEN ITEMS  &  WITH CEMENT (ITEM ).
4. SEAL WHOLE CAVITY WITH ITEM , INCLUDE SURFACE OF MICROPHONE ELEMENT AND TERMINAL STRIP.

RED CONTROLLED

DIMENSIONS IN MILLIMETERS [INCHES]

MATERIAL . . .				FINISH . . .		SCALE: 4:1		DO NOT SCALE DRAWING			
REF.	10-xxxx	A	C10107365	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.			DR. BY	DATE	
		B	C10107373						TT	4-8-08	
MODIFIED SHEET 2.1			CH. BY						DATE		
TT 6-19-08			GJP						4-17-08		
C	C10107752	APP. BY	DATE								
NAME CHANGED ADDED F			GJP						4-17-08		
LSY 8-12-08											
D	C10107779										
MODIFIED SHEET 1.1&2.1											
MODIFIED NOTES 2&4											
ADDED ITEM 9											
TT 8-20-08											
E	C40101206	UPDATE THE REVISION			WATERPROOF MICROPHONE&CABLE ASSEMBLY					VEK-F-30460-000	
00 3-7-13											
				THIRD ANGLE PROJECTION		SHEET		3.1			
								KEY: 131.BSIZE.FRM REV: B			

E

D

VEK-F-30460-000			KNOWLES ELECTRONICS			VEK-F-30460-000		
Sheet 4.1			ITASCA, ILLINOIS U.S.A.			Sheet 4.1		
By TT Date 4-8-08			Subject: WATERPROOF MICROPHONE&CABLE ASSEMBLY			Revision		
Ch. GJP 4-17-08						E		
App. GJP 4-17-08						Release Level		
						Active		
COL. 1			2			3		
Part or Dwg. no.			Tot. Req.			Applicable Specs or Remarks		
VEK-001			1			HOUSING		
EK-23132-C36			1			MICROPHONE ASSEMBLY		
FB-234			1			MEMBRANE		
13-092-120101			A/R			CEMENT		
FB-223			1			SCREEN DISC		
285-007-001			A/R			SOLDER LEAD FREE		
13-092-1213			A/R			CEMENT		
103-107			A/R			WIRE		
13-724			1			ADHESIVE		
RED CONTROLLED								
REVISION A c.o. C10107365 B c.o. C10107373 MODIFIED SHEET 2.1 TT 6-19-08 C c.o. C10107752 NAME CHANGED ADDED F LSY 8-12-08 D c.o. C10107779 MODIFIED SHEET 1.1 82.1 ADDED ITEM 9 TT 8-20-08 E c.o. C40101206 FB-234 WAS FB-038 QQ 3-7-13								
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VEK-F-30460-000-000-REV: 0

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