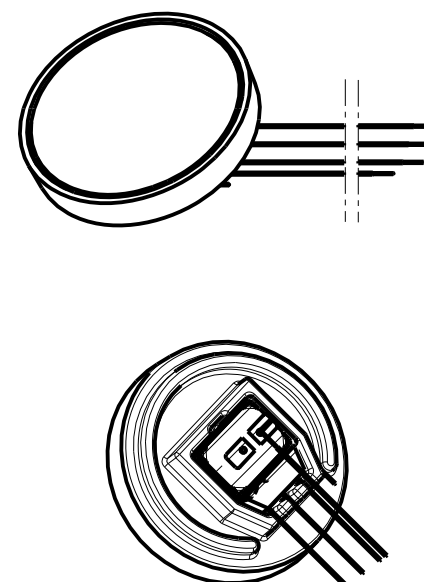
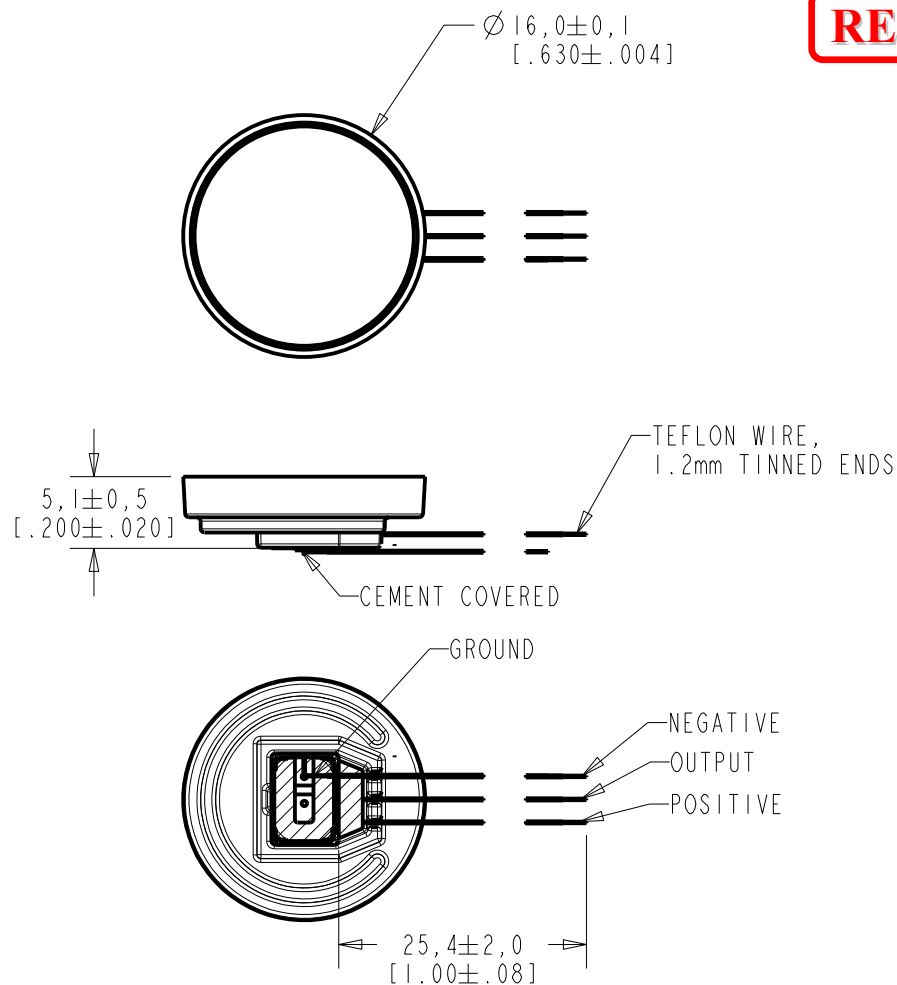


VEK-F-30470-000
SHT 1.1

RED CONTROLLED

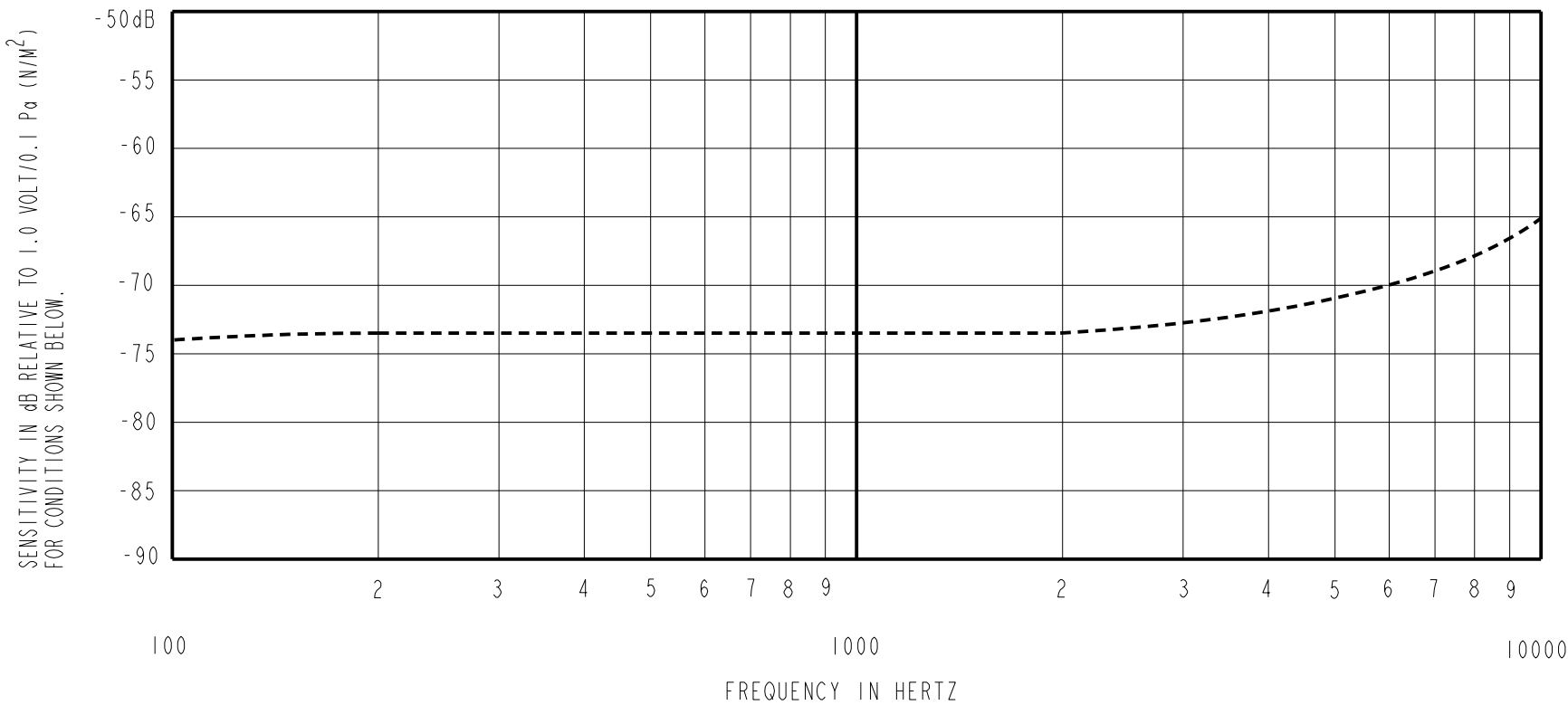


WIRE COLOUR				WEIGHT GRAMS
POSITIVE	OUTPUT	NEGATIVE	GROUND	
RED	YELLOW	BLUE	GREEN	---

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	D
D	C40101206	3-7-13		
SCALE: 2:1			DR. BY TT	DATE 8-27-08
DO NOT SCALE DRAWING			CK. BY GJP	DATE 9-11-08
TITLED WATERPROOF MICROPHONE & CABLE			VEK-F-30470-000	
OUTLINE DRAWING			SHT 1.1	
			APP. BY GJP	DATE 9-11-08

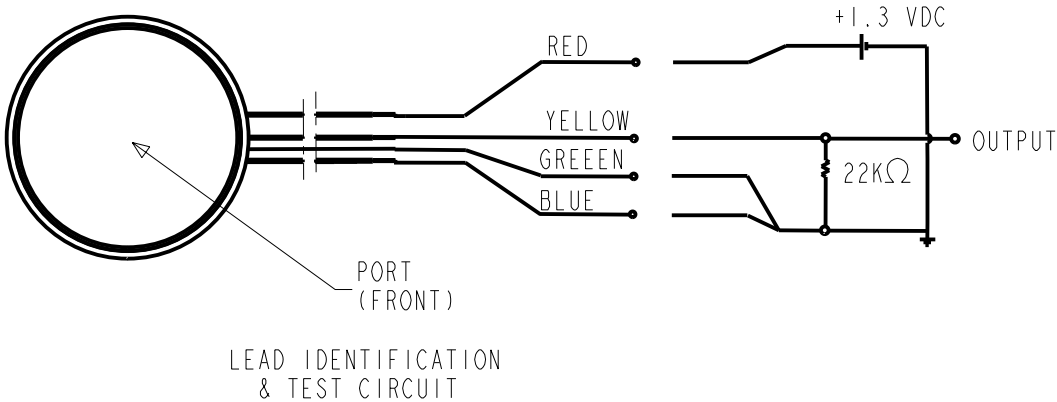


RED CONTROLLED

FREQUSNCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-74.0	---	-4.0	+2.0
1000	-70.0	-73.0	-76.0	0.0	0.0
10000	---	-65.0	---	+3.0	+13.0

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-26899-P58 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.
- CONNECT SHIELD WIRE TO NEGATIVE WIRE FOR TEST.



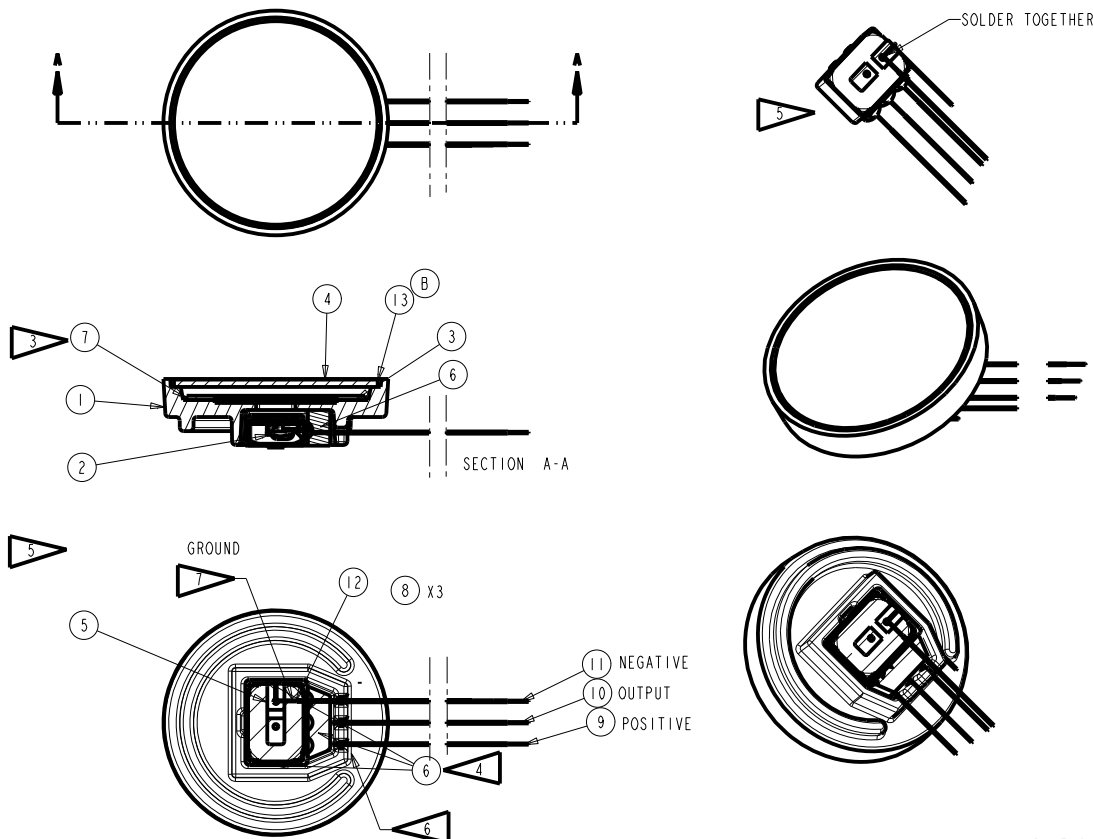
KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
			Active		D
D	C40101206	3-7-13			
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	
			TT	8-27-08	
TITLE: WATERPROOF MICROPHONE&CABLE			CK. BY	DATE	
			GJP	9-11-08	
PERFORMANCE SPECIFICATION			APP. BY	DATE	
			GJP	9-11-08	

VEK-F-30470-000
SHT 2.1

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VEK-F-30470-000



NOTES:

1. ITEM NUMBERS (SHOWN THUS **①**) ON DRAWING CORRESPOND WITH ITEM NUMBERS ON BILL OF MATERIAL.
2. ATTACH ITEM **③** TO ITEM **①** USING CEMENT ITEM **④**.
3. WATERPROOF SEAL BETWEEN ITEMS **①** & **③** WITH CEMENT (ITEM **④**).
4. SEAL WHOLE CAVITY WITH ITEM **④**. INCLUDE SURFACE OF MICROPHONE ELEMENT AND TERMINAL STRIP.
5. TERMINAL PAD SHOULD NOT OVERLAP THE EDGE OF MICROPHONE ELEMENT, PLACE TERMINAL PAD IN LOCATION PICTURED.
6. SLOTS NEED TO BE BLOCKED WITH A 6% CEMENT TO KEEP THE THIN CEMENT FROM FLOWING OUT OF THE POCKET.
7. GREEN WIRE RUN ABOVE THE BLUE WIRE.

RED CONTROLLED

DIMENSIONS IN MILLIMETERS [INCHES]

MATERIAL . . .				FINISH . . .		RELEASE LEVEL	REVISION
REF.	10-1111	A	10107758	10107758	10107758	Active	D
B	10107779	10107779	10107779	10107779	10107779	SCALE: 3:1	DO NOT SCALE DRAWING
MODIFIED SHEET 1.1&2.1				KNOWLES ELECTRONICS		DR. BY	DATE
MODIFIED NOTES 2&4				ITASCA, ILLINOIS U.S.A.		TT	8-27-08
ADDED ITEM 13				THIRD ANGLE PROJECTION		CH. BY	DATE
TT 8-27-08				TITLE		GJP	9-11-08
SEE SHEET 2.1 & 4.1				WATERPROOF MICROPHONE & CABLE		APP. BY	DATE
00 10-14-10				ASSEMBLY		GJP	9-11-08
C 10100469				VEK-F-30470-000		SHEET 3.1	
D 10101206				UPDATE THE REVISION		REV: B	
00 3-7-13				UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES		KEY: 1.0512.001	

VEK-F-30470-000		KNOWLES ELECTRONICS		VEK-F-30470-000		
Sheet 4.1		ITASCA, ILLINOIS U.S.A.		Sheet 4.1		
By TT 8-27-08 Ch. GJP 9-11-08 App. GJP 9-11-08		Subject: WATERPROOF MICROPHONE & CABLE ASSEMBLY		Revision D		
				Release Level		
				Active		
COL. 1		2	3	4	Item No.	Line No.
Part or Dwg. no.		Tot. Req.	Nomenclature:	Applicable Specs or Remarks		
VEK-001		1	HOUSING		1	1
EK-26899-P58		1	MICROPHONE & CABLE ASSEMBLY		2	2
FB-234		1	MEMBRANE		3	3
FB-223		1	SCREEN DISC		4	4
BC-097		1	TAB		5	5
13-092-120103		A/R	CEMENT		6	6
13-092-120101		A/R	CEMENT		7	7
285-007-001		A/R	SOLDER LEAD FREE		8	8
VEK-008-006		A/R	WIRE RED		9	9
VEK-008-007		A/R	WIRE YELLOW		10	10
VEK-008-008		A/R	WIRE BLUE		11	11
VEK-008-009		A/R	WIRE GREEN		12	12
13-724		1	ADHESIVE		13	13

RED CONTROLLED

REVISION	
A	c.o. C10107758
B	c.o. c10107779
MODIFIED SHEET 1.1 82.1	
ADDED ITEM 13 TT 8-27-08	
C	c.o. C40100469
13-092-120103 WAS	
13-092-1213 00 10-14-10	
D	c.o. C40101206
FB-234 WAS FB-038 00 3-7-13	

VEK-F-30470-000
Sheet 4.1

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