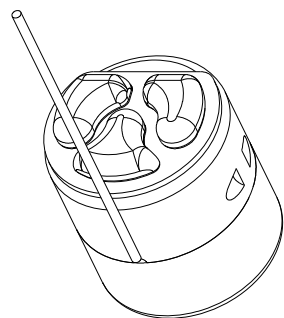
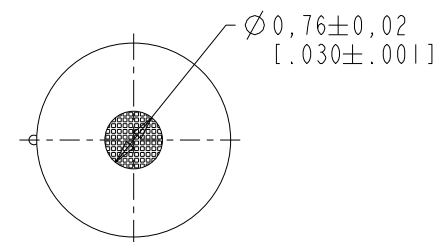
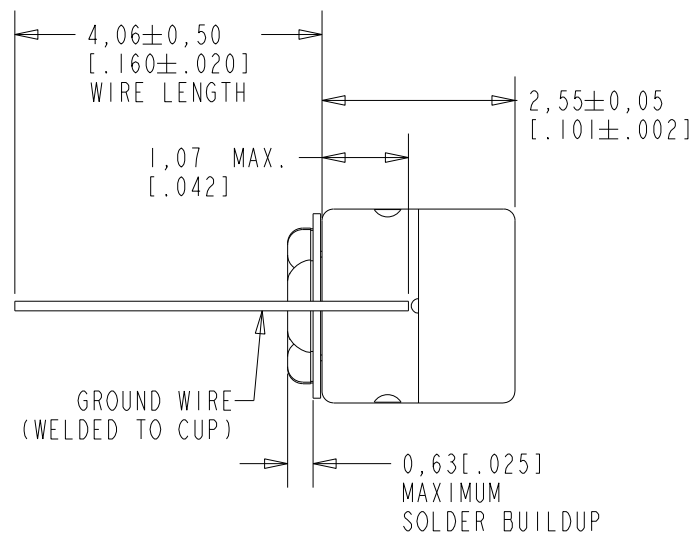
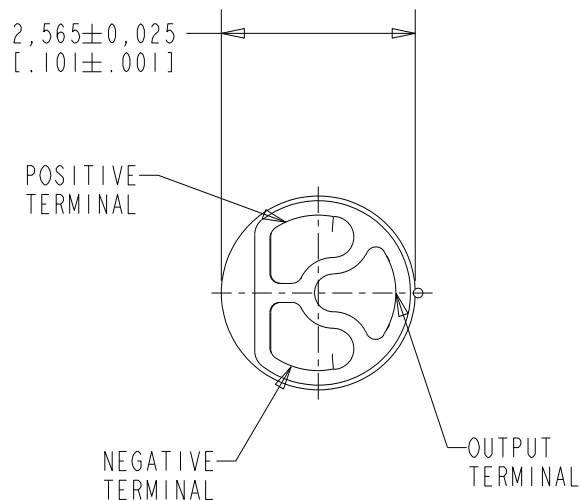


FG45-32335-P03

SHT 1.1

NOTES:

1. 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]

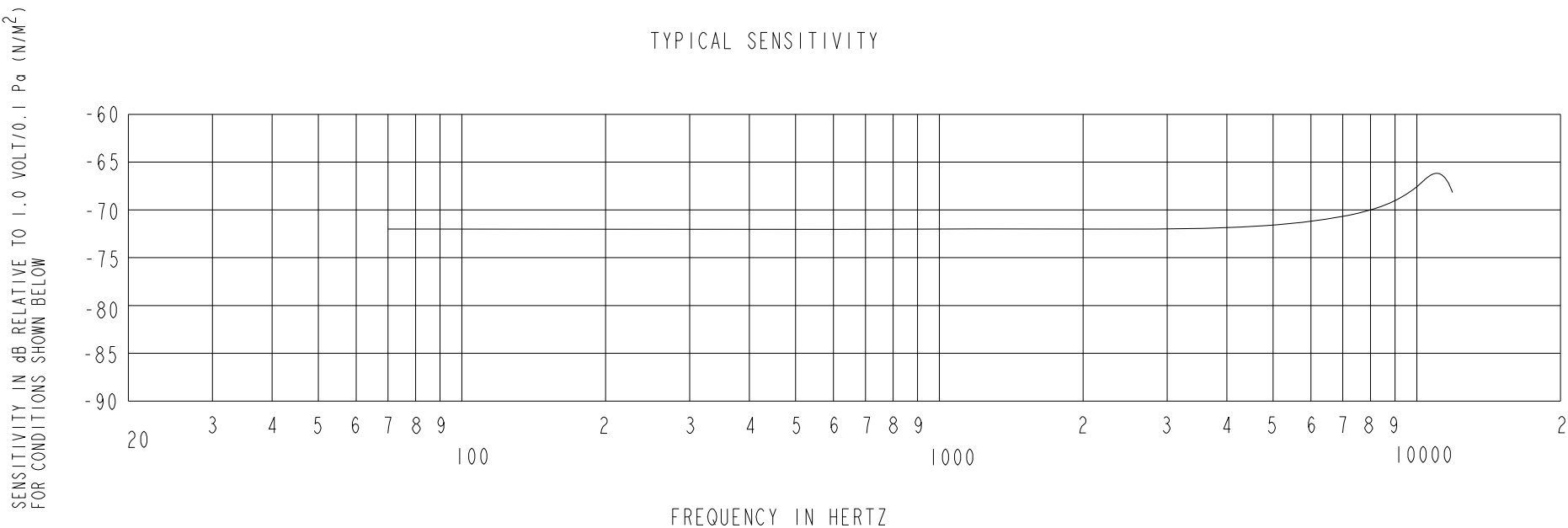
RED CONTROLLED

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	M10106474	12-28-15	Active	B
A	C40101457	3-24-15		
SCALE: 10:1			DR. BY LW	DATE 3-24-15
DO NOT SCALE DRAWING			CK. BY GJP	DATE 3-26-15
TITLE: MICROPHONE		FG45-32335-P03		APP. BY GJP
OUTLINE DRAWING		SHT 1.1		DATE 3-26-15

KNOWLES CORPORATION

RoHS COMPLIANT

TYPICAL SENSITIVITY

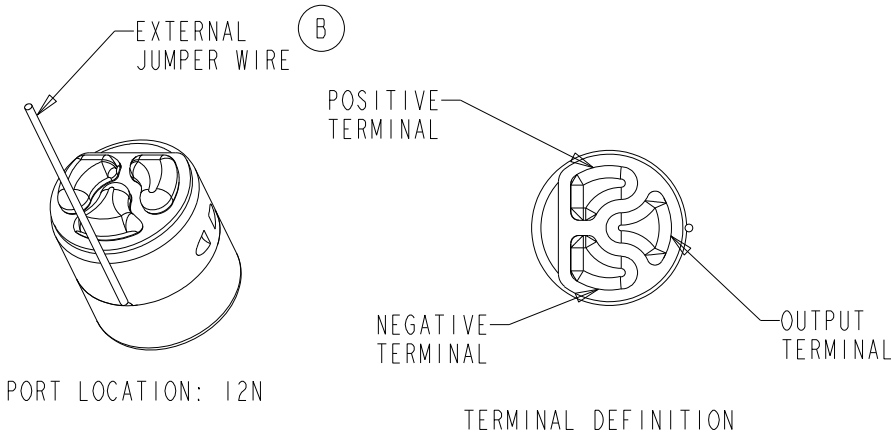


SENSITIVITY MEASURED IN A PRESSURE CAVITY UNDER THE NOMINAL CONDITIONS SHOWN BELOW

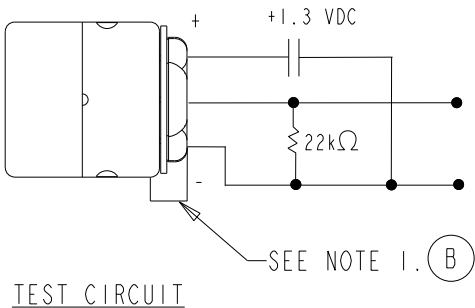
POWER REQUIREMENT					
PARAMETER	UNIT	MINIMUM	NOMINAL	MAXIMUM	REMARKS
DC POWER SUPPLY	VDC	0.9	1.3	10.0	-

PERFORMANCE						
PARAMETERS		UNIT	MINIMUM	NOMINAL	MAXIMUM	REMARKS
SENSITIVITY	80 Hz	dB	-2.0	0	+2.0	re SENSITIVITY AT 1 kHz
	1000 Hz	dB	-75.0	-72.0	-69.0	dB re 1V/0.1Pa
	10000 Hz	dB	1.5	4.5	7.5	re SENSITIVITY AT 1 kHz
SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9 VDC	1000 Hz	dB	-3.0	0.0	3.0	REDUCED FROM 1.3 VDC TO 0.9 VDC
AMPLIFIER CURRENT DRAIN		uA	-	17	40	-
OUTPUT LOAD VOLTAGE		V _L	0.20	0.40	0.90	WITH TEST CIRCUIT
A-WEIGHTED NOISE		dB(V)	-108	-101.5	95	REF. 1 Vrms
OUTPUT IMPEDANCE		Ohms	2750	4400	6750	

- NOTES: 1. CASE CONNECTED TO NEGATIVE TERMINAL USING EXTERNAL JUMPER WIRE. (B)
2. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 1.3 VDC AND 22KOHM LOAD IMPEDANCE TYPICAL TEST ENVIRONMENT:50% RH, 21°C(70°F)
3. MICROPHONE TO BE FUNCTIONAL WITH 10V DC SUPPLY



RED CONTROLLED



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	M10106474	12-28-15	Active	B
A	C40101457	3-24-15		

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

TITLE: MICROPHONE PERFORMANCE SPECIFICATION

FG45-32335-P03 SHT 2.1

DR. BY DATE

LW 3-24-15

CK. BY DATE

GJP 3-26-15

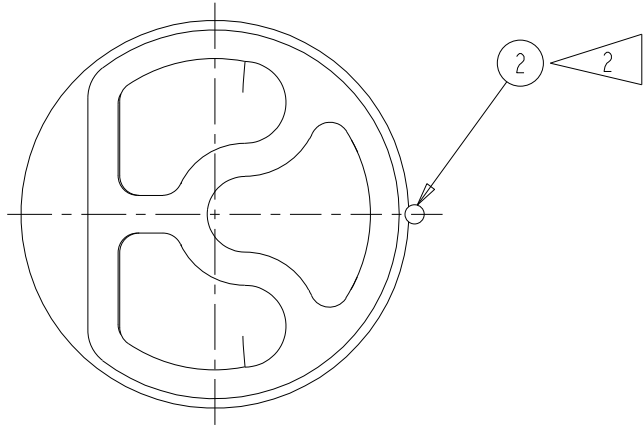
APP. BY DATE

GJP 3-26-15

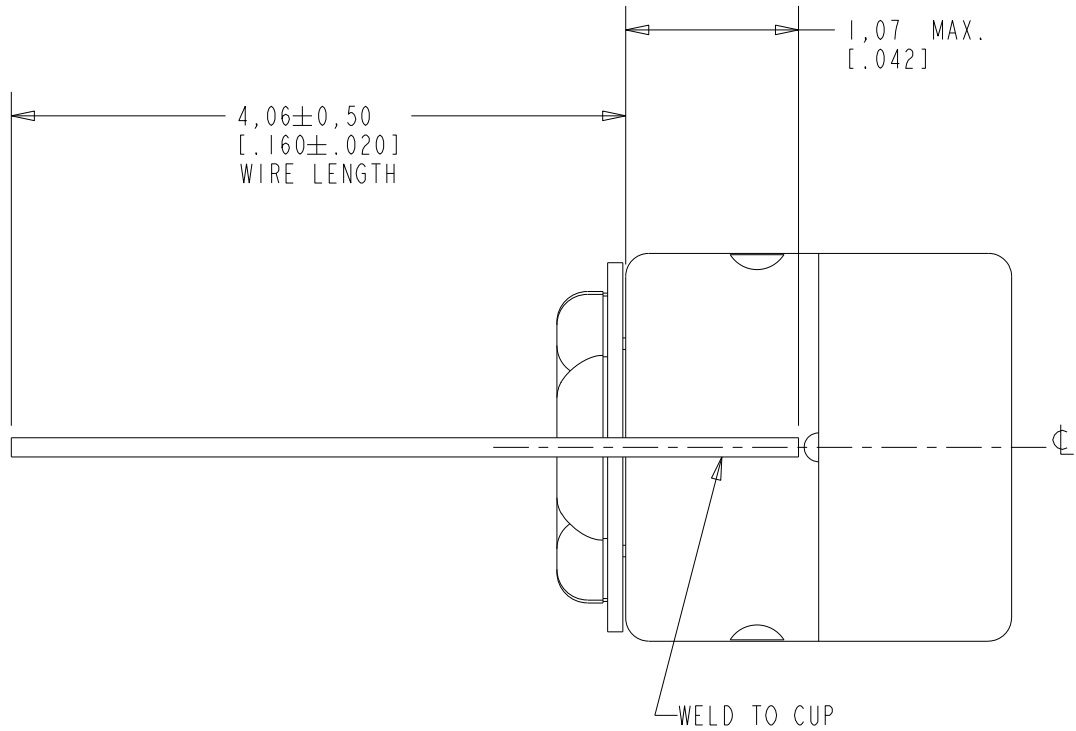
KNOWLES CORPORATION

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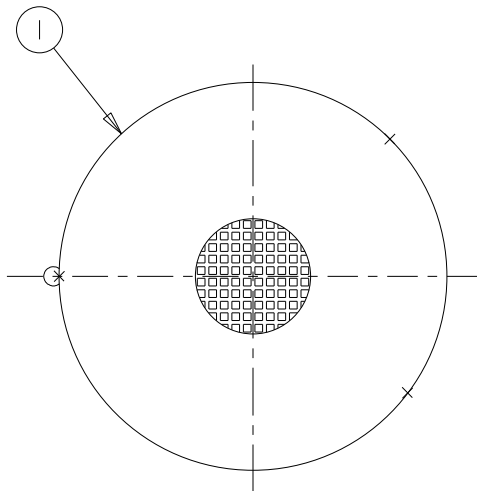
FG45-32335-P03




RED CONTROLLED





WIRE WELD DETAIL



NOTES:

1. ITEM NUMBERS (SHOW THUS ) ON DRAWING CORRESPOND WITH ITEM NUMBERS OR BILL OF MATERIAL.
- WELD WIRE TO CASE, SEE WELD DETAIL.

DIMENSIONS IN MILLIMETERS [INCHES]

MATERIAL SEE BILL OF MATERIAL				FINISH ---		SCALE: 20:1		DO NOT SCALE DRAWING		
REF.	NONE		C40101457 M10106474 MODIFY SHEET 2.1 NANC 12-28-15	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES		KNOWLES CORPORATION			DR. BY	DATE
	A	c.o.							LW	3-24-15
	B	c.o.							GJP	3-26-15
									APP. BY	DATE
				THIRD ANGLE PROJECTION		TITLE		FG45-32335-P03		
						MICROPHONE ASSEMBLY		SHEET 3.1		

FG45-32335-P03			KNOWLES CORPORATION			FG45-32335-P03			
Sheet 4.1						Sheet 4.1			
Dr.	By	Date	Subject: MICROPHONE ASSEMBLY			Revision B			
Ch.	LW	3-24-15							
App.	GJP	3-26-15							
						Release Level			
						Active			
COL. 1			2	3			4	Item No.	Line No.
Part or Dwg. no.			Tot. Req.	Nomenclature:			Applicable Specs or Remarks		
FG45-32335-000			1	MICROPHONE ASSEMBLY				1	1
103-071			A/R	WIRE				2	2

RED CONTROLLED

REVISION	A		C40101457	MODIFY SHT 2.1 NANC 12-28-15	FG45-32335-P03 Sheet 4.1	PROPRIETARY NOTE: THIS DOCUMENT CONTAINS INFORMATION WHICH IS THE PROPRIETARY PROPERTY OF KNOWLES ELECTRONICS, LLC. OR ITS AFFILIATED ENTITIES. IT IS ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, USED, OR DISCLOSED TO ANY THIRD PARTY PARTIALLY OR WHOLLY IN ANY MANNER WITHOUT PRIOR WRITTEN PERMISSION OF, AND MUST BE RETURNED UPON REQUEST BY, KNOWLES ELECTRONICS, LLC.
	B		M10106474			

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