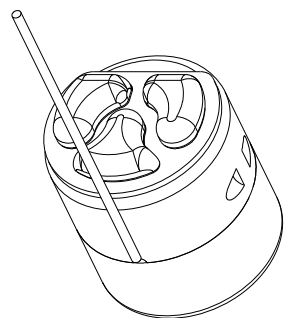
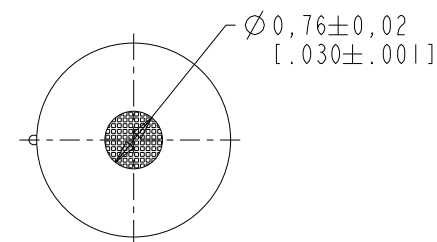
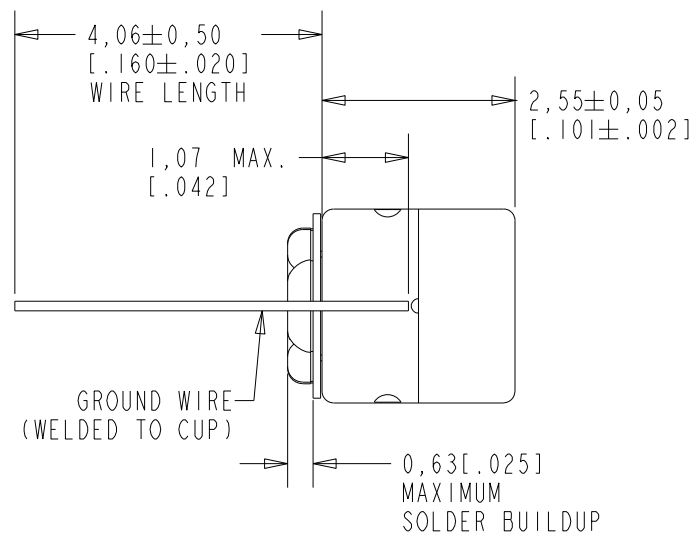
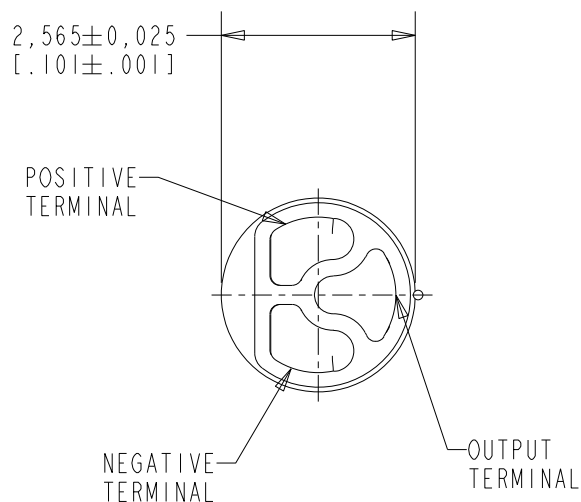


FG45-32335-P03

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.



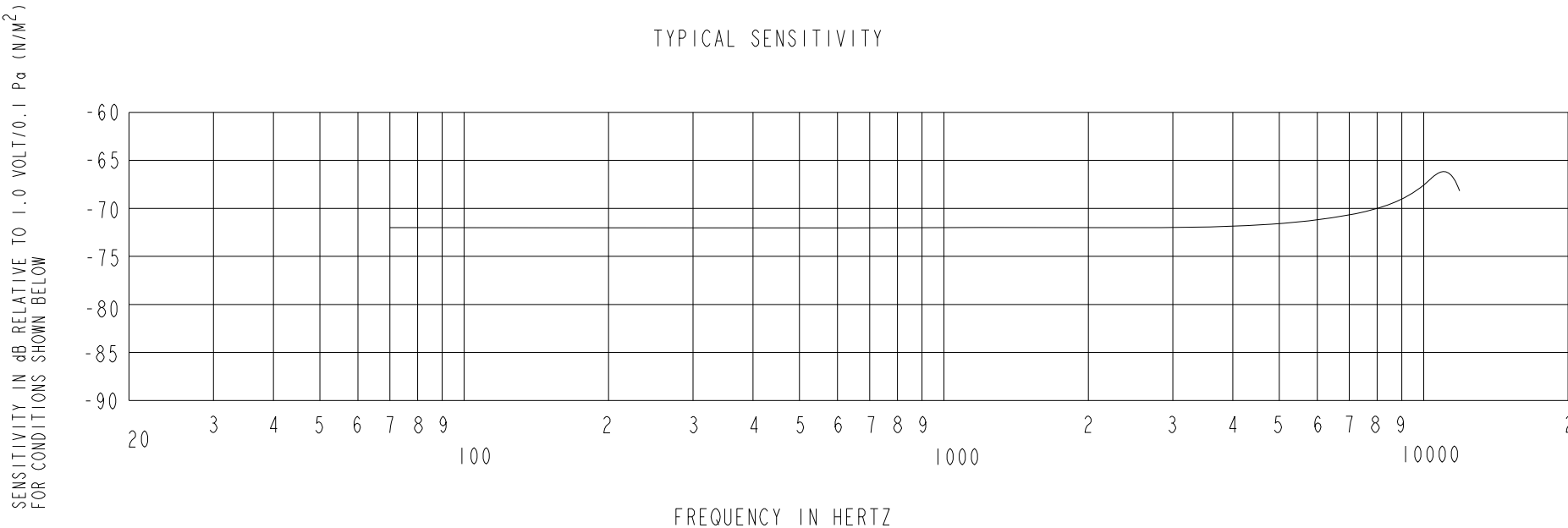
DIMENSIONS IN MILLIMETERS [INCHES]

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

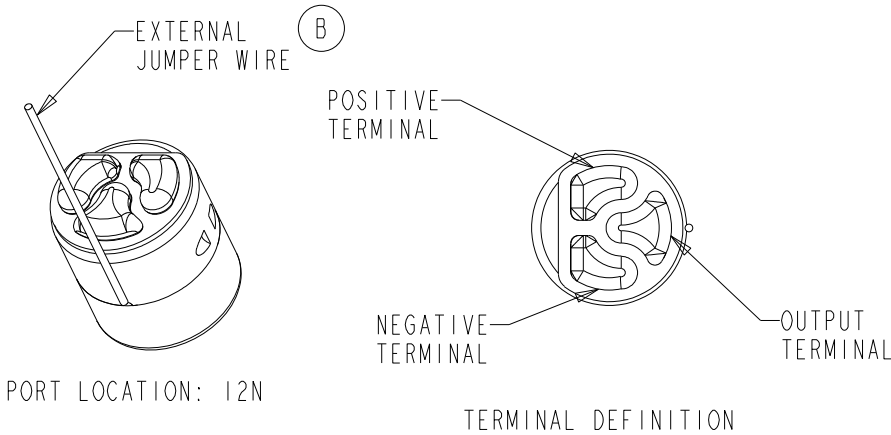


SENSITIVITY MEASURED IN A PRESSURE CAVITY UNDER THE NOMINAL CONDITIONS SHOWN BELOW

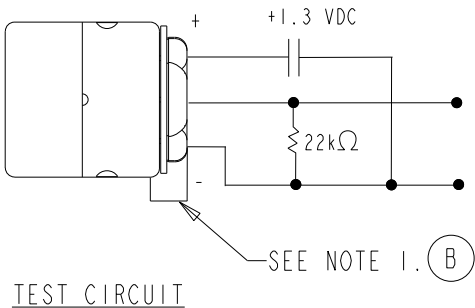
POWER REQUIREMENT					
PARAMETER	UNIT	MINIMUM	NOMINAL	MAXIMUM	REMARKS
DC POWER SUPPLY	VDC	0.9	1.3	10.0	-

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

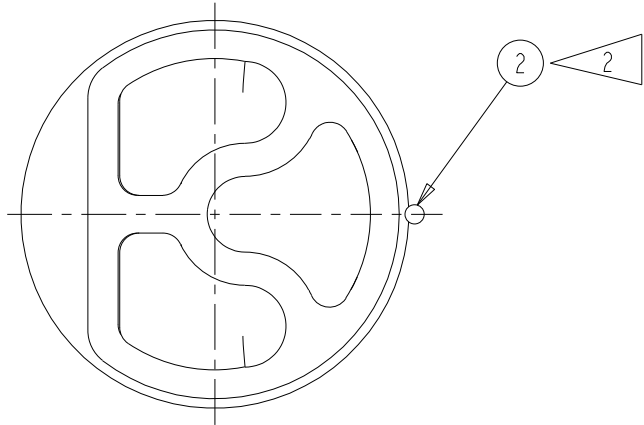
APP. BY DATE

GJP 3-26-15

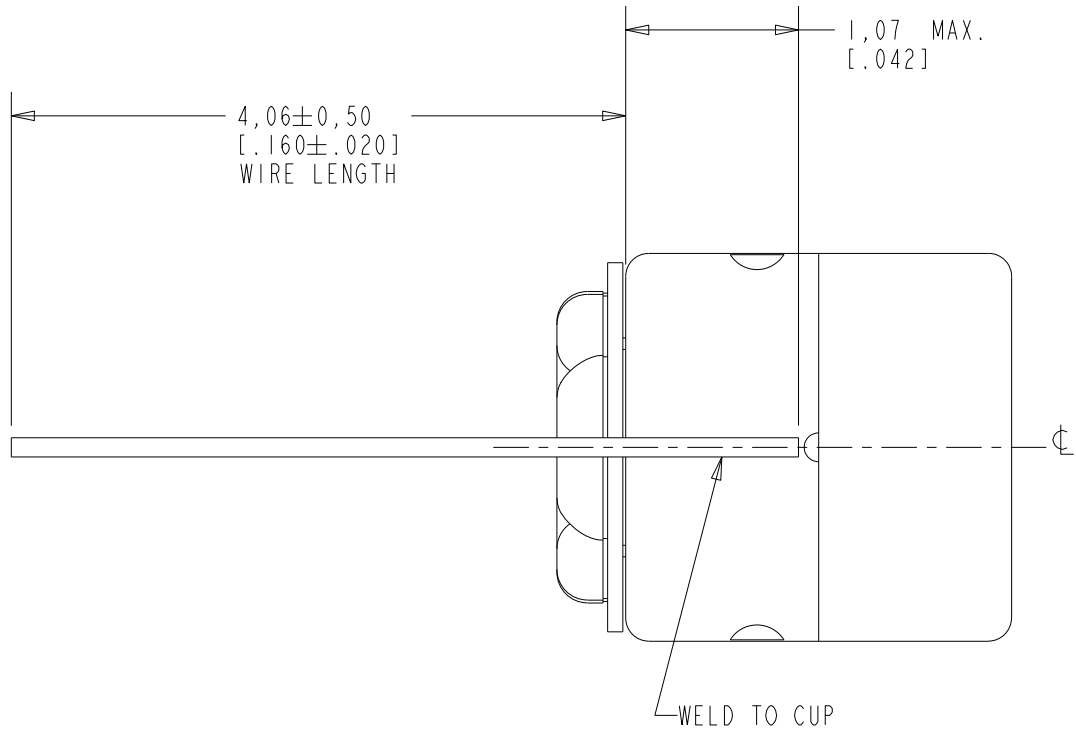
KNOWLES CORPORATION

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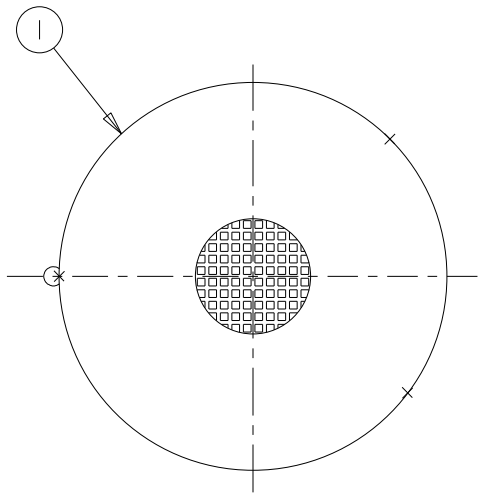
FG45-32335-P03



RED CONTROLLED



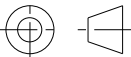
WIRE WELD DETAIL



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	A c.o. C40101457 B c.o. M10106474 MODIFY SHEET 2.1 NANC 12-28-15		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES THIRD ANGLE PROJECTION	KNOWLES CORPORATION MICROPHONE ASSEMBLY	DR. BY LW DATE 3-24-15 CH. BY GJP DATE 3-26-15 APP. BY GJP DATE 3-26-15		FG45-32335-P03	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.	GJP	3-24-15							
App.	GJP	3-26-15							
COL. 1			2	3		4			
Part or Dwg. no.			Tot. Req.	Nomenclature:		Applicable Specs or Remarks		Item No.	Line No.
FG45-32335-000			1	MICROPHONE ASSEMBLY				1	1
103-071			A/R	WIRE				2	2

RED CONTROLLED

REVISION	A	c.o.	C40101457
	B	c.o.	M10106474
	MODIFY SHT 2.1		
	NANC 12-28-15		

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FG45-32335-P03
Sheet 4.1

REV: D
REV: D

