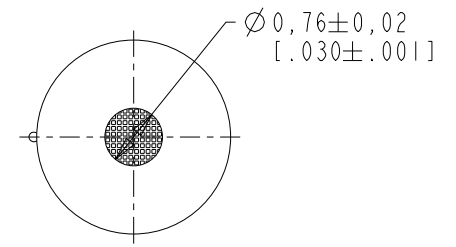
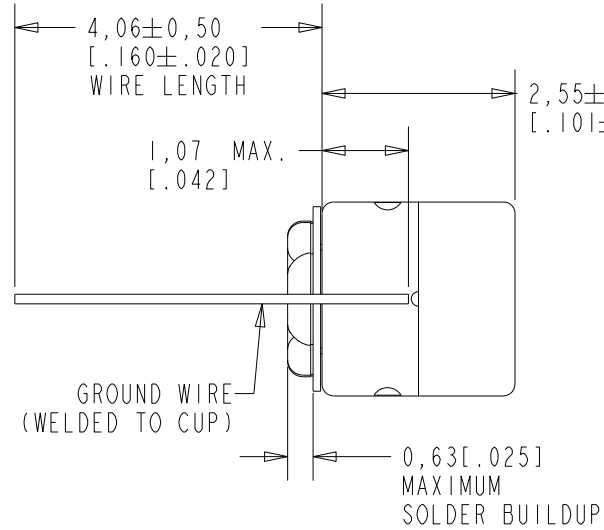
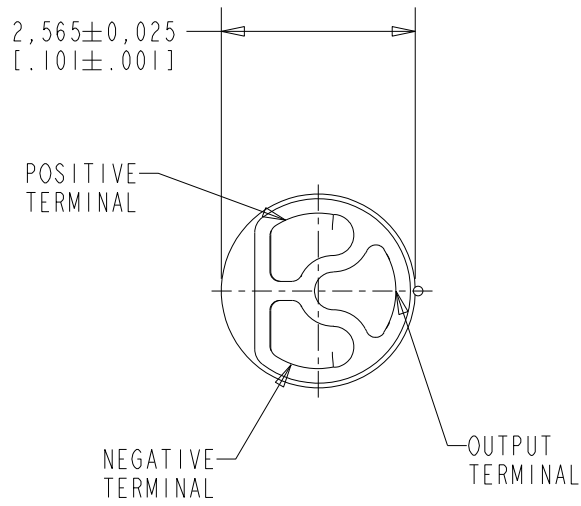


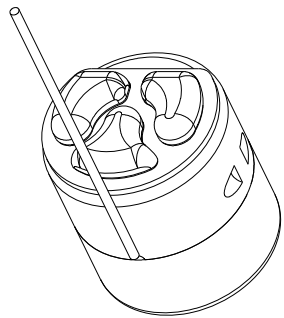
FG45-32335-P03  
SHT 1.1

NOTES:

- INCREASED PRESSURE AT THE SOUND INLET CAUSES A POSITIVE GOING VOLTAGE TO APPEAR AT THE OUTPUT TERMINAL, RELATIVE TO THE NEGATIVE TERMINAL.



**RED CONTROLLED**



DIMENSIONS IN MILLIMETERS [INCHES]

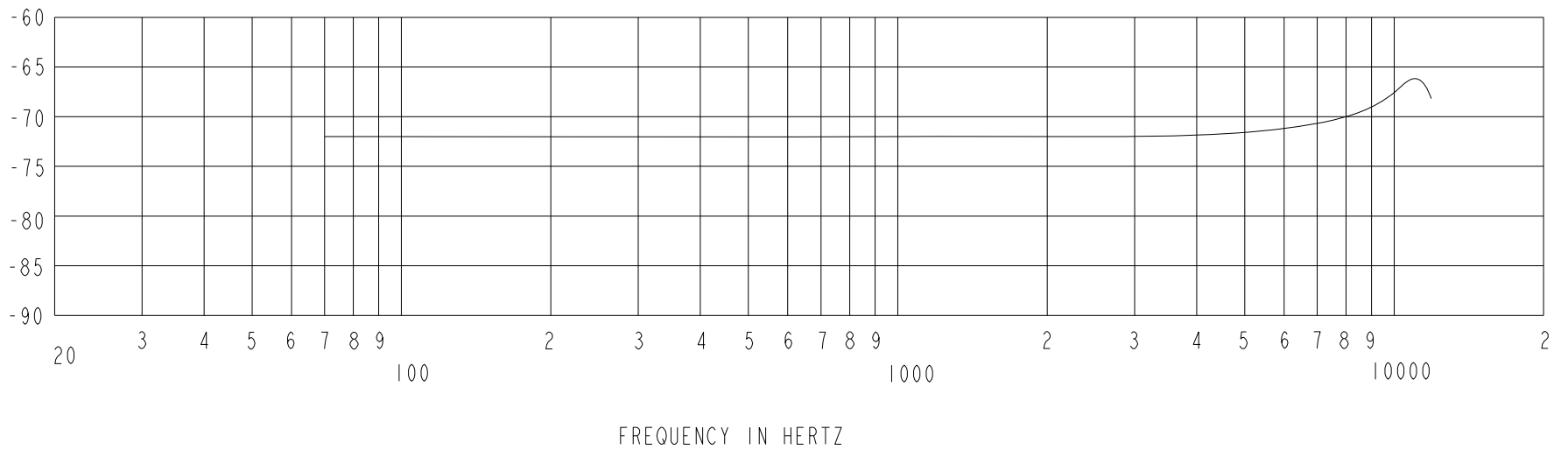
**KNOWLES CORPORATION**

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	DATE: 3-26-15
OUTLINE DRAWING		SHT 1.1		

RoHS COMPLIANT

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M<sup>2</sup>)  
FOR CONDITIONS SHOWN BELOW

TYPICAL SENSITIVITY

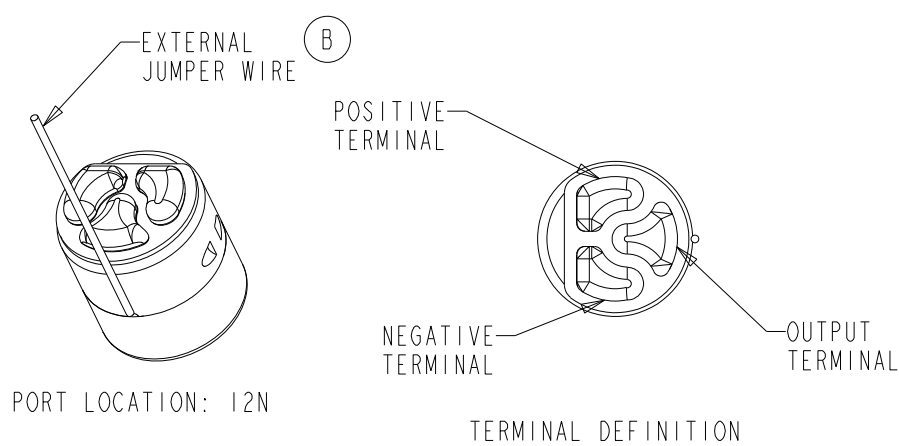


SENSITIVITY MEASURED IN A PRESSURE CAVITY UNDER THE NOMINAL CONDITIONS SHOWN BELOW

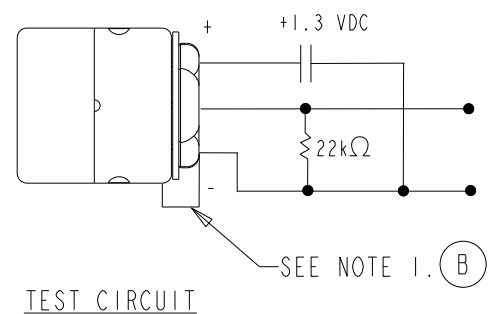
POWER REQUIREMENT					
PARAMETER	UNIT	MINIMUM	NOMINAL	MAXIMUM	REMARKS
DC POWER SUPPLY	VDC	0.9	1.3	10.0	-

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		µA	-	17	40	-	
OUTPUT LOAD VOLTAGE		V <sub>L</sub>	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		

**KNOWLES CORPORATION**

TITLE: MICROPHONE PERFORMANCE SPECIFICATION	FG45-32335-P03	DR. BY	DATE
	SHT 2.1	LW	3-24-15
		GJP	3-26-15
		GJP	3-26-15

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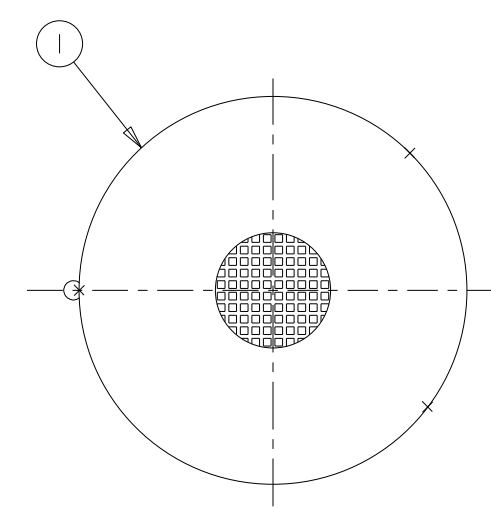
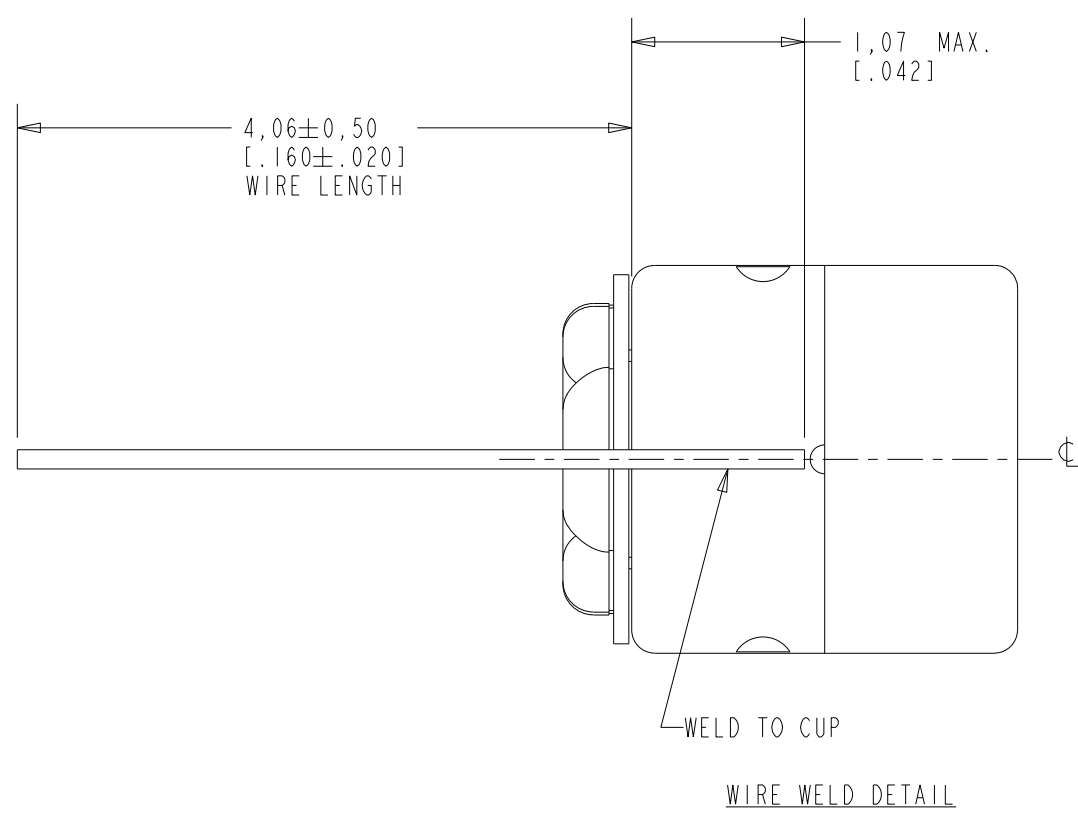
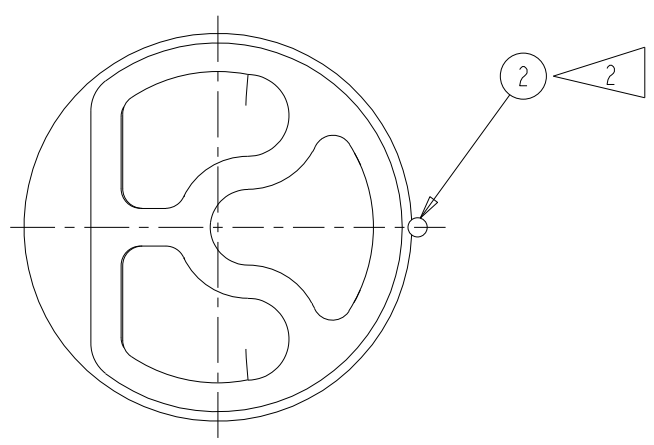
FG45-32335-P03

**RED CONTROLLED**

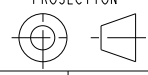
NOTES:

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	<b>KNOWLES CORPORATION</b>		DR. BY DATE
A	c.o. C40101457			LW 3-24-15
B	c.o. M10106474			CH. BY DATE
MODIFY SHEET 2.1 NANC 12-28-15		THIRD ANGLE PROJECTION	TITLE	APP. BY DATE
			MICROPHONE ASSEMBLY	GJP 3-26-15
				FG45-32335-P03
			SHEET 3.1	

RELEASE LEVEL	REVISION
Active	B

FG45-32335-P03		<b>KNOWLES CORPORATION</b>		FG45-32335-P03	
Sheet 4.1				Sheet 4.1	
Dr.	By LW	Date 3-24-15	Subject: MICROPHONE ASSEMBLY	Revision B	
Ch.	GJP	3-26-15			Release Level
App.	GJP	3-26-15			Active
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 MANC 12-28-15	

FG45-32335-P03  
Sheet 4.1

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REV: D

PRODUCTION TEST INFORMATION

SOFTWARE REVISION PXI FCAMT	PXI-DSA 1.1 MIN.
HARDWARE REVISION PXI FCAMT	KE 1069B.13 MIN.

PERFORMANCE					
PARAMETERS	UNIT	MINIMUM	TYPICAL	MAXIMUM	REMARKS
POWER SUPPLY REJECTION RATIO(PSRR)	dB	-	-7.5	-2.0	SUPPLY VOLTAGE @ 1.3 VDC
RFI	0.9 GHz	-	-	-	60V/m, 1kHz AM 80% (Refer to QAP #8480)
	1.9 GHz	-	-	-	
	2.4 GHz	-	-	-	

**RED CONTROLLED**

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
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A	C40101457	3-24-15		

**KNOWLES CORPORATION**

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 5.1

DR. BY	DATE
LW	3-24-15
CK. BY	DATE
GJP	3-26-15
APP. BY	DATE
GJP	3-26-15

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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