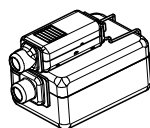
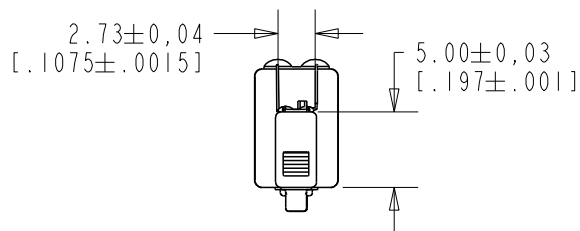
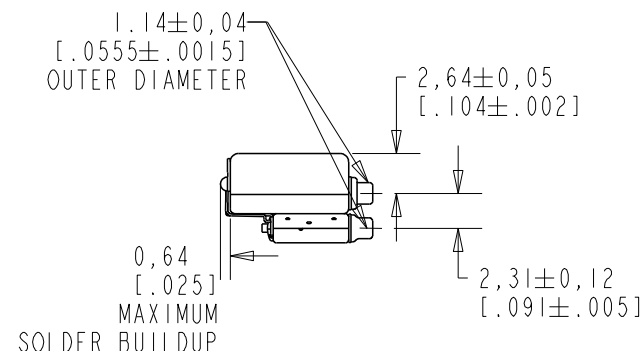
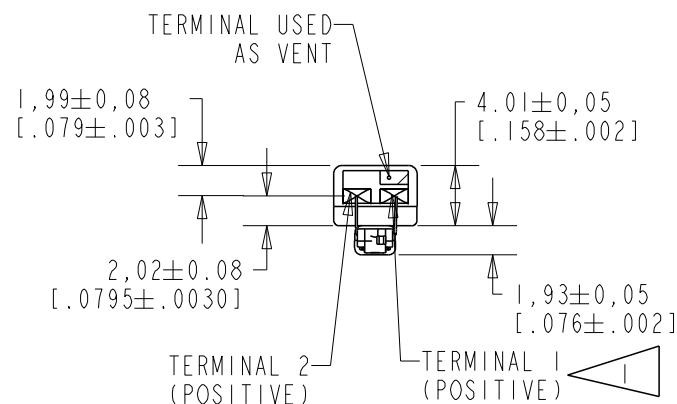
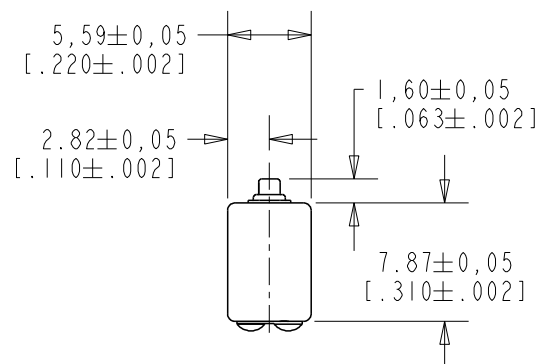


GU-32829-000

SHT 1.1

NOTES:

1 A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL 1, CAUSES A DECREASE IN PRESSURE AT THE SOUND OUTLET.



NOMINAL WEIGHT
.66 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

RED CONTROLLED

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	PI0000621	8-11-16		
SCALE: 2:1			DR. BY NANC	DATE 8-11-16
DO NOT SCALE DRAWING			CK. BY GJP	DATE 8-11-16
TITLE: RECEIVER		GU-32829-000		APP. BY GJP
OUTLINE DRAWING		SHT 1.1		DATE 8-11-16

KNOWLES CORPORATION

UNDAMPED MAGNETIC BALANCED ARMATURE RECEIVERS INTENDED FOR USE AS THE HIGH AND LOW FREQUENCY DRIVERS IN A Hi Fi SYSTEM. THE GU RECEIVER COMBINES A FK AND BK RECEIVERS COUPLED THROUGH A CIRCUIT TO PROVIDE THE RESPONSE SHAPE.

GU-32829-000

SHEET 2.1

CONSTANT VOLTAGE DRIVE CONDITIONS

SENSITIVITY IN dB RELATIVE TO 20 uBAR FOR CONDITIONS SHOWN BELOW

125 dB

120

115

110

105

100

95

90

85

20

100

2

3

4

5

6

7

8

9

1000

2

3

4

5

6

7

8

9

10000

20000

FREQUENCY IN HERTZ

ACOUSTICAL

SENSITIVITY

DEVICE WILL PRODUCE THE SPL LISTED BELOW UNDER TEST CONDITIONS IN TABLE 3. NOMINAL SENSITIVITY AT 1kHz IS dB RELATIVE TO 20uPa. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT 1kHz.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
70	0.0	+3.0	+6.0
200	0.0	+2.0	+4.0
500	-2.0	+113.5	+2.0
700-950	-3.5	-1.0	+1.5
1100-1500	-2.0	0.0	+2.0
1700-2600	-4.25	--	--
2650-3400	-2.5	0.0	+2.5
6500-9000	-19.5	--	--
8200-9900	-19.75	-14.75	-9.75

TABLE 1.

TOTAL HARMONIC DISTORTION

DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (mA)	LIMIT (%)
830	0.101	0	3
1130	0.101	0	3
500	0.3	0	3

TABLE 2.

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.101 Vrms, 0 Vdc BIAS
SOURCE IMPEDANCE	< 1 Ohm
TUBING	T-11959
COUPLER CAVITY	IEC 60318-4(711)

TABLE 3.

ELECTRICAL

DC RESISTANCE	16.0 OHMS ± 10%
IMPEDANCE @ 500 Hz	15.0 OHMS ± 20%
IMPEDANCE @ 1 k Hz	17.0 OHMS ± 23%

TABLE 4

ISOLATION: CASE WILL BE ELECTRICALLY ISOLATED FROM THE COIL CIRCUIT.

MECHANICAL

PORT LOCATION: DUAL PORT

SOLDER TYPE: SAC305 (LEAD FREE)

TEMPERATURE

OPERATING: SENSITIVITY AT 1K Hz WILL NOT VARY MORE THAN +1/-3 dB FROM 0°C TO 63°C

STORAGE: -40°C TO 63°C

RED CONTROLLED

KNOWLES CORPORATION

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	PI0000621	8-11-16		

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:	RECEIVER	GU-32829-000	DR. BY	DATE
			NANC	8-11-16
			CK. BY	DATE
			GJP	8-11-16
PERFORMANCE SPECIFICATION		SHT 2.1	APP. BY	DATE
			GJP	8-11-16