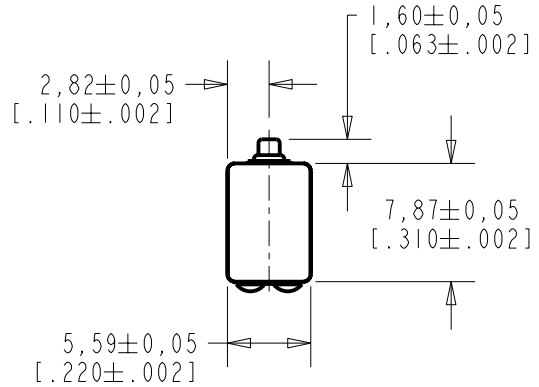
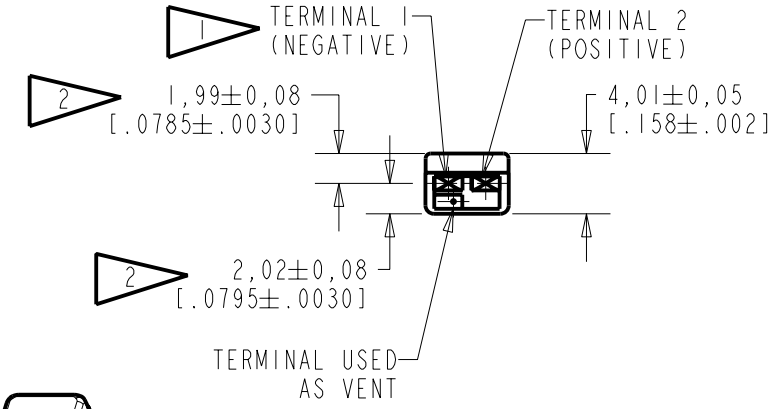
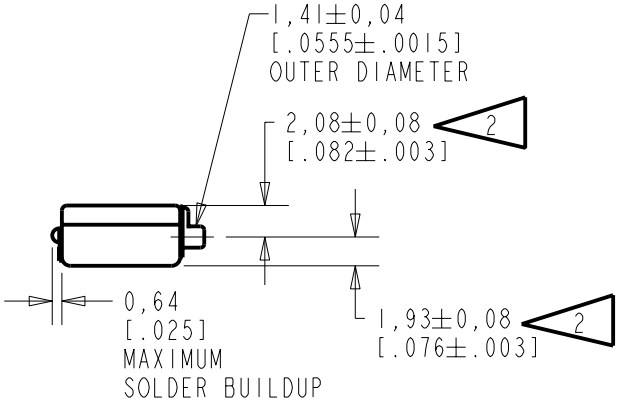
BK-26833-000
SHT 1.1

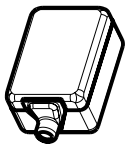


NOTES:

1. A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL 1, CAUSES A DECREASE IN PRESSURE AT THE SOUND OUTLET.
2. LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO ±0,17 [.007].







NOMINAL WEIGHT
.66 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Released	B
B	C10104206	5-8-06		
A	C10102940	7-26-05		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

SCALE: 2:1

DO NOT SCALE DRAWING

TITLE: RECEIVER
OUTLINE DRAWING

BK-26833-000
SHT 1.1

DR. BY	DATE
MMM	7-26-05
CK. BY	DATE
GJP	7-28-05
APP. BY	DATE
GJP	7-28-05

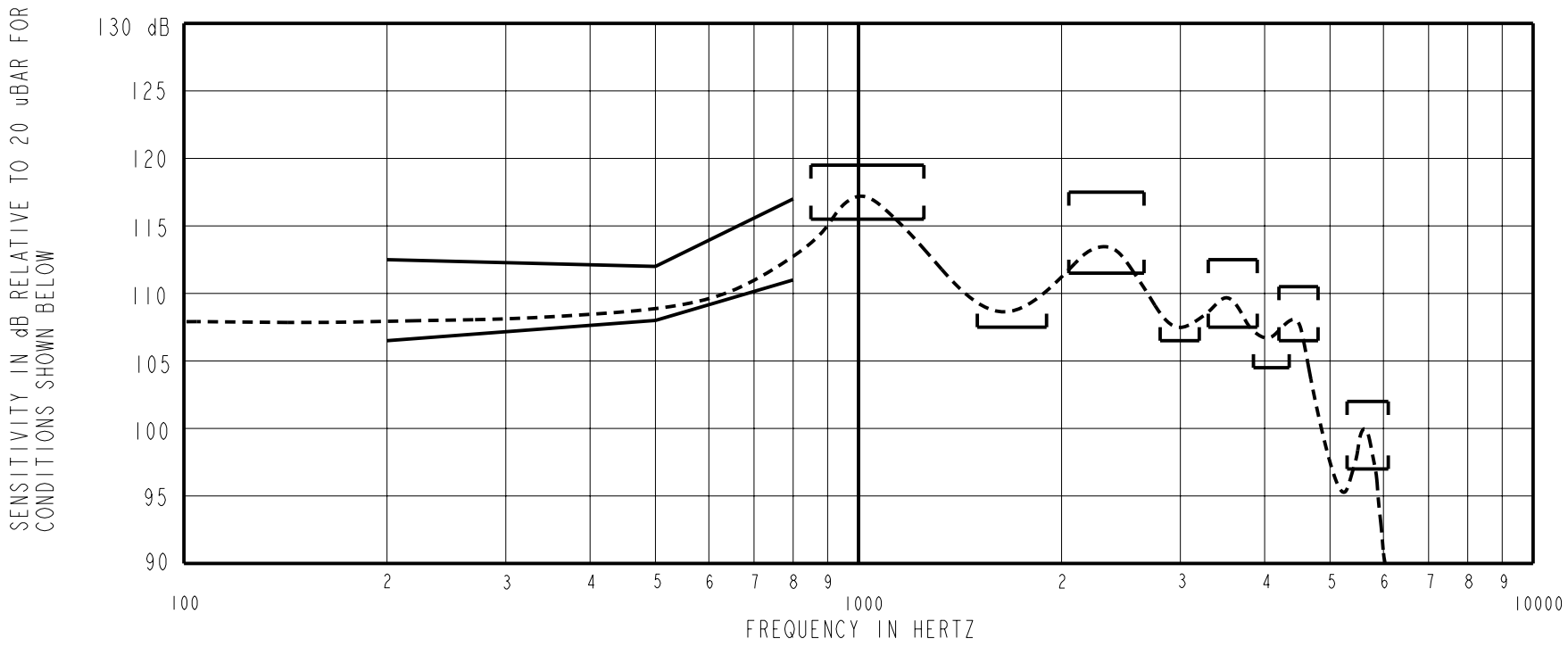
KE11ASIZE.FRM Rev: B

DESCRIPTION

THE BK-26833-000 IS A MAGNETIC BALANCED ARMATURE RECEIVER WITH A HIGH DCR/IMPEDANCE RATIO USED IN KNOWLES ACOUSTICS APPLICATIONS. AN EXTERNAL BACK VENT IS PROVIDED ON THE LOWER TERMINAL PAD.

NOTE: SPECIFICATIONS FOLLOWED BY AN ASTERISK (*) ARE 100% TESTED.

CONSTANT VOLTAGE DRIVE RESPONSE (DATA MEASURED WITH BACK VENT OPEN)



ACOUSTICAL

SENSITIVITY*
DEVICE WILL PRODUCE THE SPL LISTED BELOW WITH THE TEST CONDITIONS DESCRIBED IN TABLE 3. NOMINAL SENSITIVITY AT 500 Hz IS dB RELATIVE TO 20uPa. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT 500 Hz.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-3.5	-0.5	+2.5
500	-2.0	110.0	+2.0
800	+1.0	+4.0	+7.0
850-1250 PEAK	+5.5	+7.5	+9.5
1500-1900 VALLEY	-2.5	---	---
2050-2650 PEAK	+1.5	+4.5	+7.5
2800-3200 VALLEY	-3.5	---	---
3300-3900 PEAK	-2.5	0.0	+2.5
3850-4350 VALLEY	-5.5	---	---
4200-4800 PEAK	-3.5	-2.0	+0.5
5300-6100 VALLEY	-13.0	-11.0	-8.0

TABLE 1.

TOTAL HARMONIC DISTORTION*
DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	DRIVE (V RMS)	DC BIAS (MA)	LIMIT (%)
350	.058 V	0	5
500	.058 V	0	5
500	.165 V	0	10

TABLE 2.

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	.058 Vrms, 0 Vdc BIAS
SOURCE IMPEDANCE	< 1 Ω
TUBING	8 mm (.315) LONG X 1 mm (.039) ID 28 mm (1.10) LONG X 1.5 mm (.059) ID 25 mm (.984) LONG X 2 mm (.079) ID 18 mm (.710) LONG X 3 mm (.118) ID
COUPLER CAVITY	2 CC SIMULATED ANSI S3.7 TYPE HA-3, (IEC 126)

TABLE 3.

POLARITY
POSITIVE SIGNAL APPLIED TO TERMINAL 2 WILL PRODUCE A DECREASE IN SOUND PRESSURE AT THE SOUND OUTLET.

ELECTRICAL

DC RESISTANCE	7Ω ±10%	
IMPEDANCE @ 500 Hz	8.8Ω ±15%	*
IMPEDANCE @ 1 kHz	11Ω ±20%	*

TABLE 4.

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

MECHANICAL

PORT LOCATION: 12S

SOLDER TYPE: 96/4 TIN/SILVER (LEAD FREE)

TEMPERATURE
OPERATING: SENSITIVITY WILL NOT VARY MORE THAN +1/-3 dB FROM -17°C TO 63°C
STORAGE: -40°C TO 63°C

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Released	B
B	C10104206	5-8-06		
A	C10102940	7-26-05		

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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
PERFORMANCE SPECIFICATION

BK-26833-000
SHT 2.1

DR. BY	DATE
MMM	7-26-05
CK. BY	DATE
GJP	7-28-05
APP. BY	DATE
GJP	7-28-05