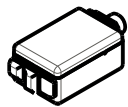
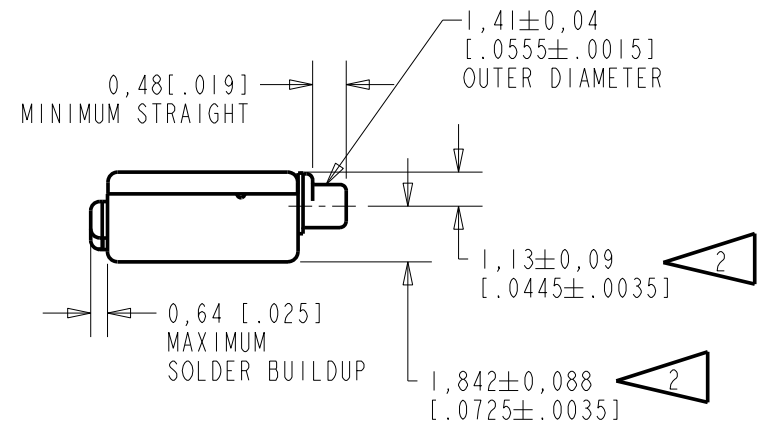
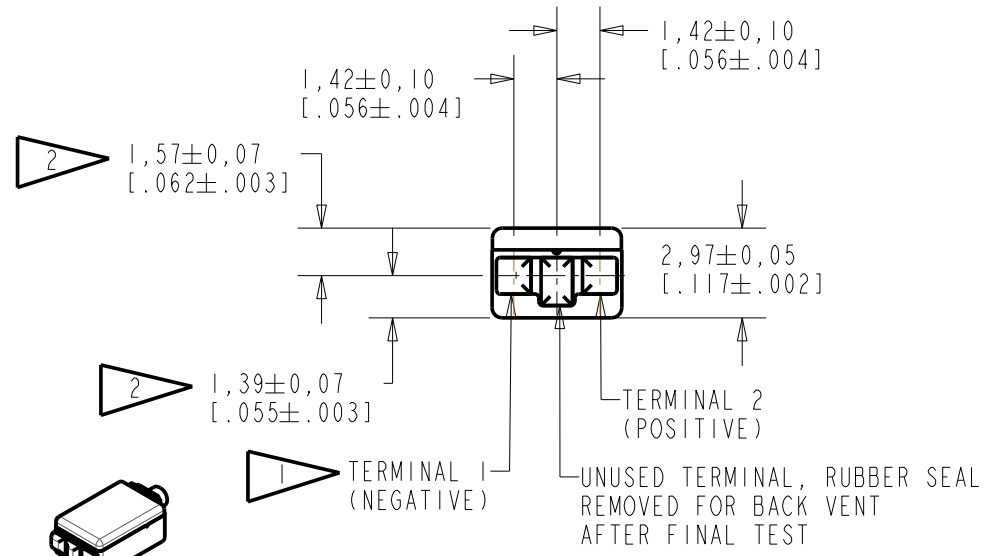
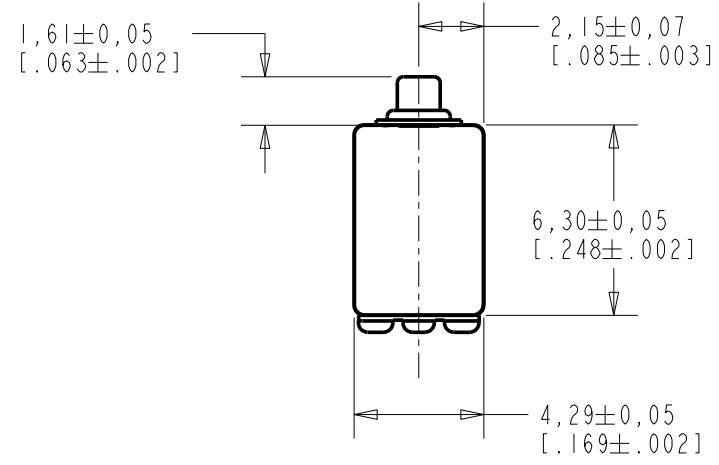


**ED-26805-000**  
**SHT 1.1**

NOTE:

- 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  $\pm 0,17$  [ .007 ].



SCALE 2:1

NOMINAL WEIGHT  
 .31 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	C10107990	8-25-08	<b>Active</b>	<b>C</b>
B	C10103543	1-3-06		
A	C10103045	8-23-05		

SCALE: <b>4:1</b>		DR. BY MMM	DATE 8-23-05
DO NOT SCALE DRAWING			
TITLE: <b>RECEIVER</b>		ED-26805-000	
OUTLINE DRAWING		<b>SHT 1.1</b>	
		APP. BY GJP	DATE 8-26-05
		APP. BY GJP	DATE 8-26-05

**KNOWLES ELECTRONICS**  
 ITASCA, ILLINOIS U.S.A.

# DESCRIPTION

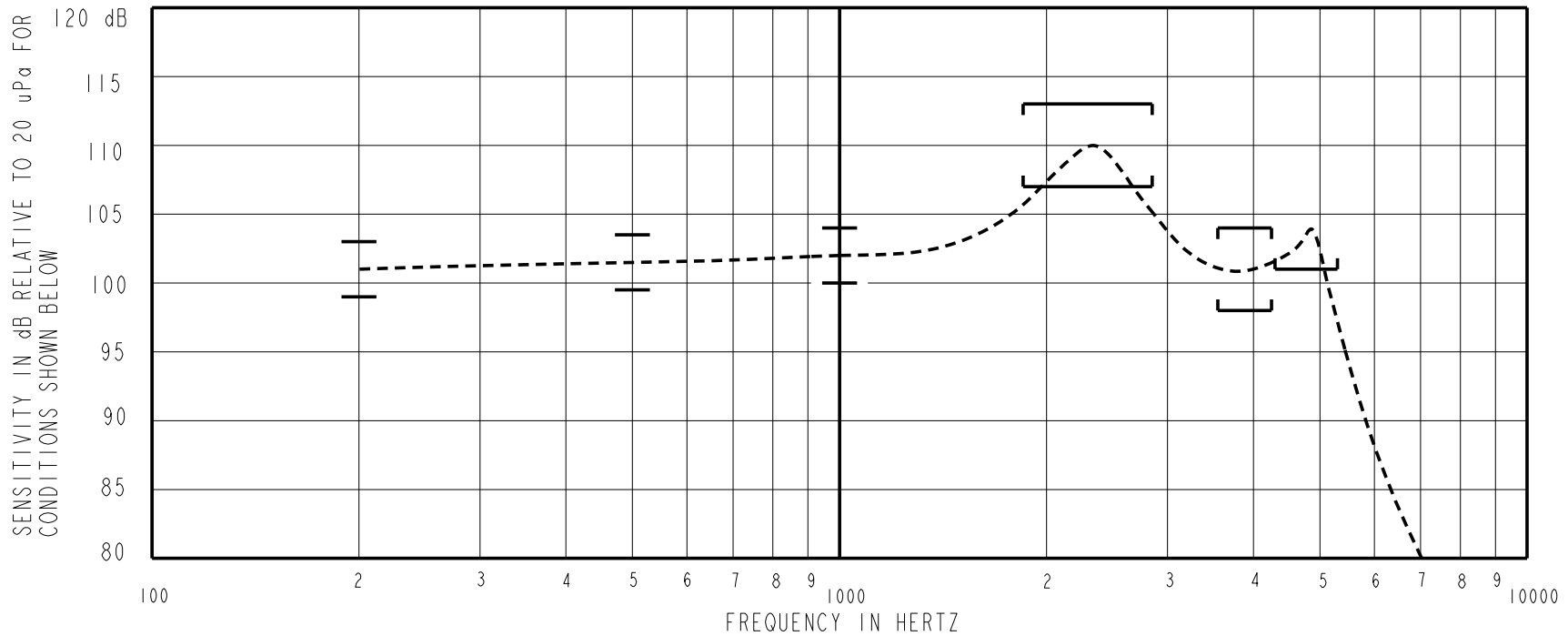
NO DAMPING

ED-26805-000  
SHEET 2.1

THE ED-26805-000 IS A MAGNETIC BALANCED ARMATURE RECEIVER INTENDED FOR USE IN HEADSETS. THIS UNIT HAS SHOCK PROTECTION. THIS MODEL HAS LOW IMPEDANCE WITH INCREASED DCR/IMPEDANCE RATIO AND REAR VENT.

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

CONSTANT VOLTAGE DRIVE RESPONSE (NOTE: REAR VENT, CENTER TERMINAL PAD, BLOCKED FOR TEST)



## ACOUSTICAL

**SENSITIVITY\***  
DEVICE WILL PRODUCE THE SPL LISTED BELOW WITH THE TEST CONDITIONS DESCRIBED IN TABLES 3. NOMINAL SENSITIVITY AT 1 kHz IS dB RELATIVE TO 20uPa. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT 1 kHz.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-3	-1	+1
500	-2.5	-0.5	+1.5
1000	-2	102.0	+2
1850-2850 PEAK	+5	+8	+11
3550-4250 VALLEY	-4	-1	+2
4300-5300 PEAK	-1	---	---

TABLE 1.

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

FREQUENCY (Hz)	DRIVE (V RMS)	DC BIAS (MA)	LIMIT (%)
780	.130 V	0	5
1175	.130 V	0	5
500	.363 V	0	10

TABLE 2.

### TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	.130 Vrms, 0 Vdc BIAS
SOURCE IMPEDANCE	< 1 Ω
TUBING	10 mm (.394) LONG, 1 mm (.039) 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	23Ω ±10%	*
IMPEDANCE @ 500 Hz	26Ω ±15%	
IMPEDANCE @ 1 kHz	29Ω ±20%	*

TABLE 4.

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

## MECHANICAL

PORT LOCATION: 12C

SOLDER TYPE: 9605% Sn, 3% Ag, 0.5% Cu (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

**KNOWLES ELECTRONICS**  
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	C10107990	8-25-08	<b>Active</b>	<b>C</b>
B	C10103543	1-3-06		
A	C10103045	8-23-05		
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			DR. BY	DATE
TITLE: <b>RECEIVER</b> PERFORMANCE SPECIFICATION			ED-26805-000	8-23-05
			<b>SHT 2.1</b>	8-26-05
			APP. BY	DATE
			GJP	8-26-05