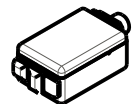
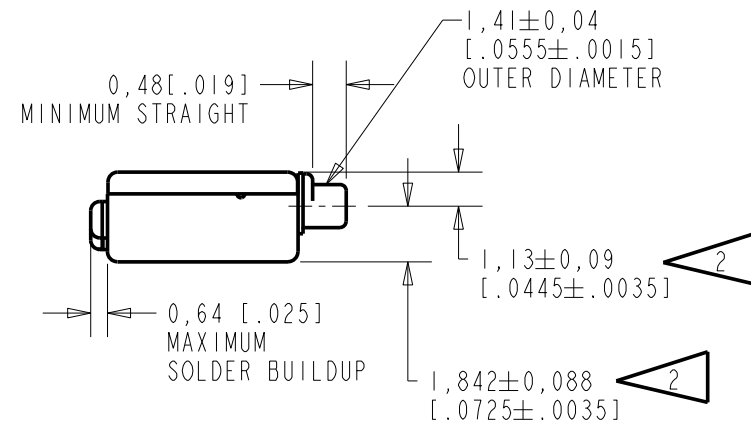
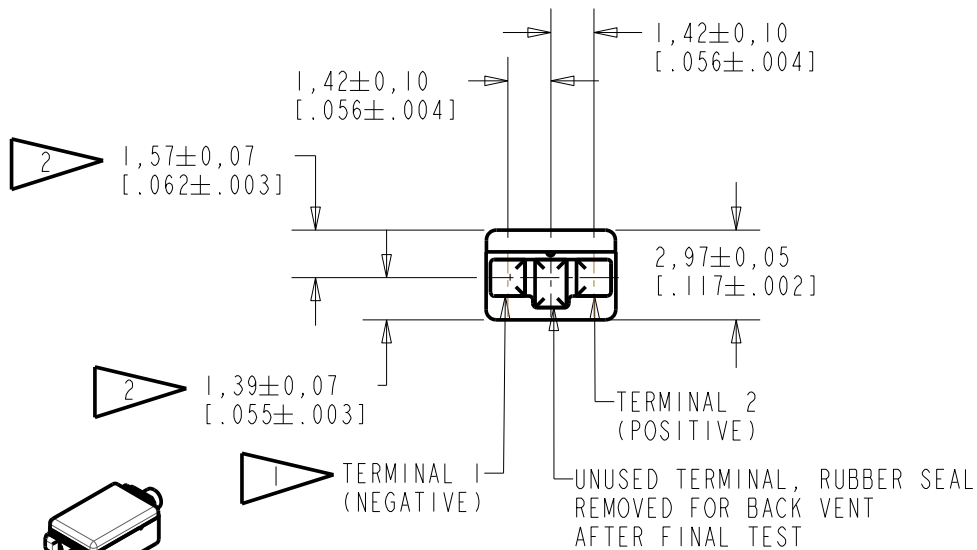
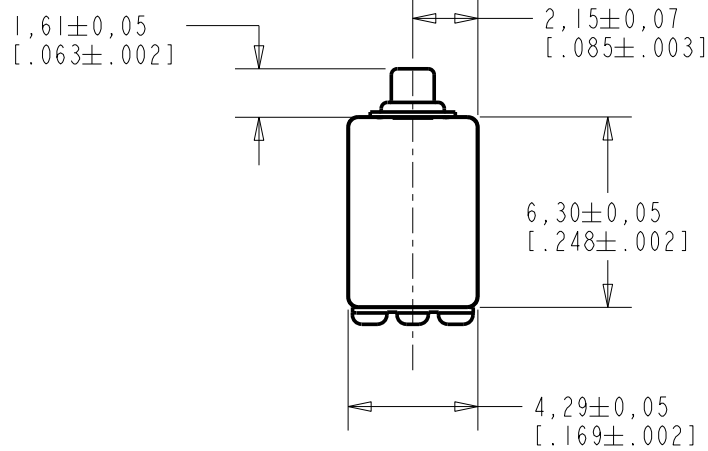


ED-26805-000

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]

RED CONTROLLED

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

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

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

DESCRIPTION

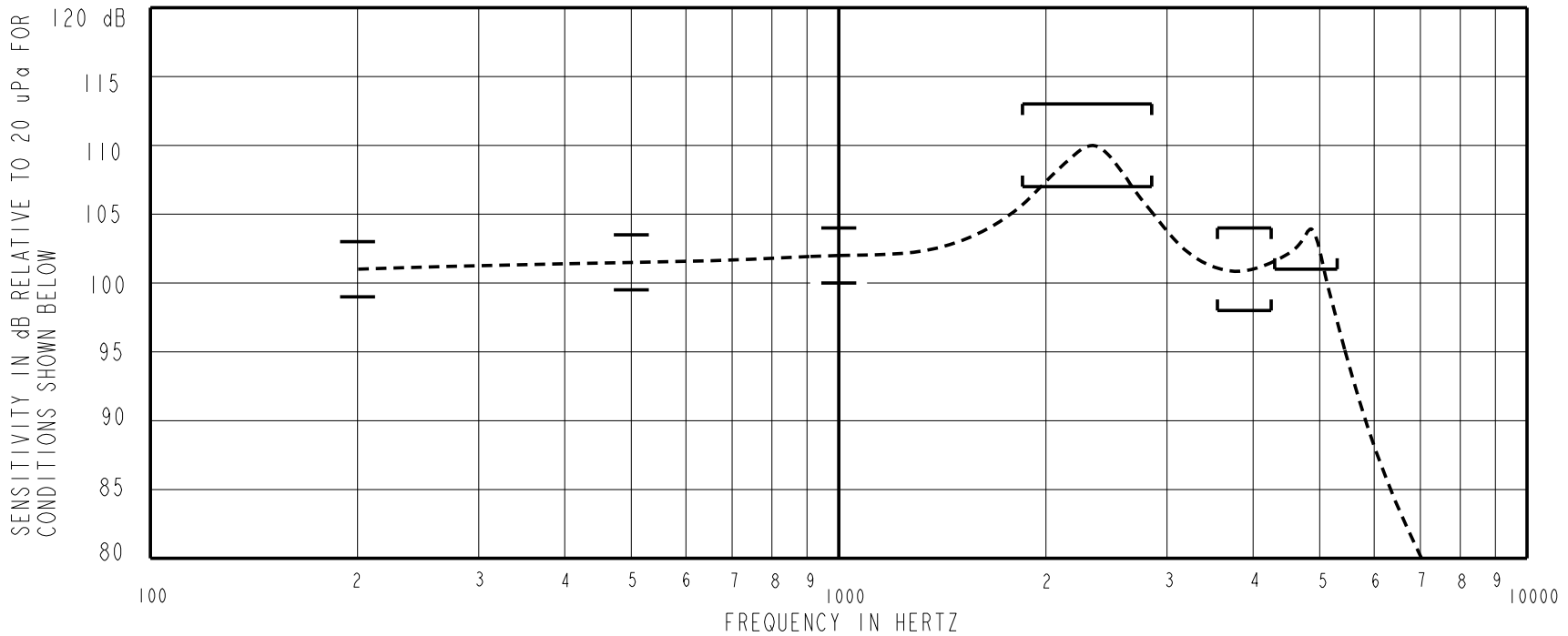
NO DAMPING

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

RED CONTROLLED

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


Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	C10107990	8-25-08	Active	C
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: RECEIVER PERFORMANCE SPECIFICATION			ED-26805-000	MMM 8-23-05
			SHT 2.1	GJP 8-26-05
			APP. BY	DATE
			GJP	8-26-05

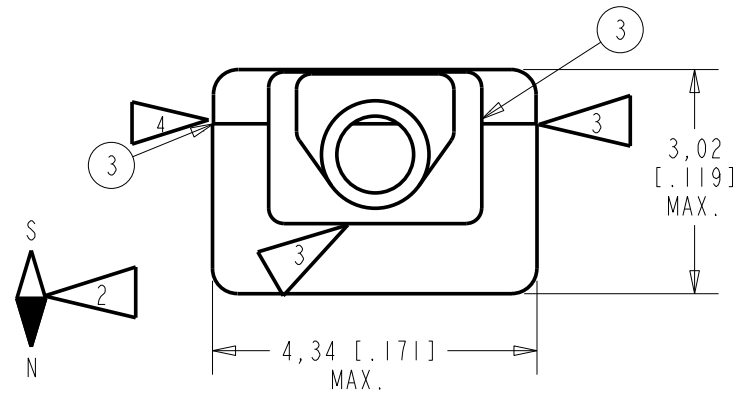
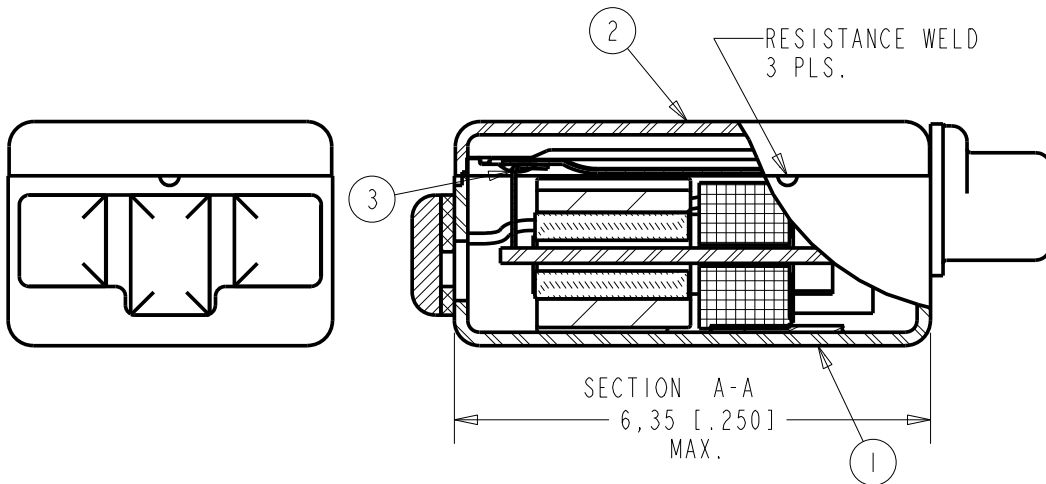
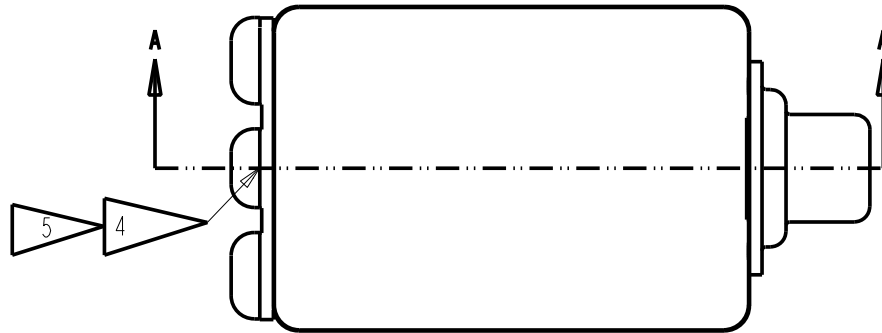
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ED-26805-000

NOTES:

1) ITEM NUMBERS (SHOWN THUS ) ON DRAWING CORRESPOND WITH ITEM NUMBERS ON BILL OF MATERIAL.

-  2 ORIENTATION OF COMPASS NEEDLE IN THE MAGNETIZING FIELD.
-  3 AIRTIGHT SEAL ALL AROUND.
-  4 OMIT CEMENT ON BACK OF CENTER TERMINAL PAD.
-  5 REMOVE RUBBER SEAL FROM CENTER TERMINAL PAD AFTER FINAL TEST.
-  4 MAX CUP/COVER MISMATCH MUST BE WITHIN 0.03[0.001]



DIMENSIONS IN MILLIMETERS [INCHES]

RELEASE LEVEL	REVISION
Active	C

MATERIAL SEE BILL OF MATERIAL

FINISH ---

SCALE: 10:1

DO NOT SCALE DRAWING

REF.	NONE
A	c.o. C10103045
B	c.o. C10103543
MODIFIED SHEET 2.1 ED-408 WAS ED02-408 CRG 1-3-06	
C	c.o. C10107990
CHANGED ON SHEET 1.18 1.3 LSY 9/1/08	

RED CONTROLLED

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

THIRD ANGLE PROJECTION



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DR. BY DATE
MMM 8-23-05

CH. BY DATE
GJP 8-26-05

APP. BY DATE
GJP 8-26-05

TITLE

**RECEIVER
ASSEMBLY**

ED-26805-000

SHEET **3.1**

ED-26805-000

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ED-26805-000

Sheet 4.1
By Date
Dr. MMM 8-23-05
Ch. GJP 8-26-05
App. GJP 8-26-05

Subject: RECEIVER ASSEMBLY
Revision C

Sheet 4.1
Release Level
Active

COL. 1	2	3	4	Item No.	Line No.
Part or Dwg. no.	Tot. Req.	Nomenclature:	Applicable Specs or Remarks		
ED-408	1	MOTOR & CUP ASSEMBLY		1	1
ED-178	1	CUP & FILM ASSEMBLY		2	2
13-092	A/R	CEMENT		3	3

RED CONTROLLED

REVISION	A	c.o. C10103045
	B	c.o. C10103543
	C	c.o. C10107990
MODIFIED SHEET 2.1 ED-408 WAS ED02-408 CRG 1-3-06		
CHANGED ON SHT. 1&3.1 LSY 9/1/08		

ED-26805-000
Sheet 4.1

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REF: 1004-PART-000-REV: 0

PRODUCTION TEST INFORMATION

SOFTWARE REVISION PCI/GPIB FCART	SOFTWARE 4.13 MIN.
HARDWARE REVISION PCI FCART	KE 1065D.004 MIN.
HARDWARE REVISION GPIB FCART	KE 1065C.008G MIN.

RED CONTROLLED

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
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TITLE:	RECEIVER	ED-26805-000
	PERFORMANCE SPECIFICATION	SHT 5.1
	APP. BY	DATE
	GJP	8-26-05

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