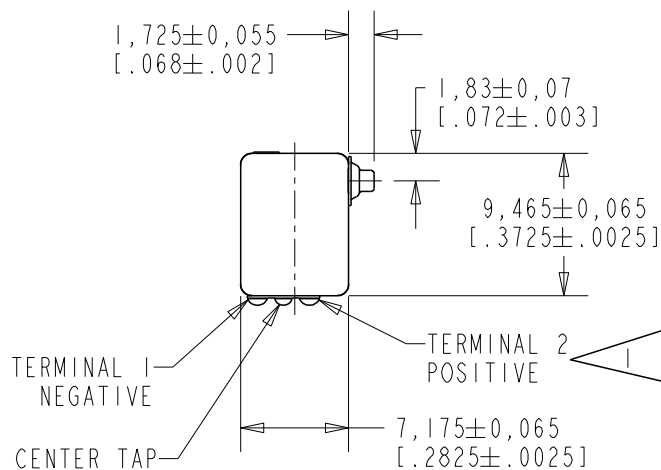


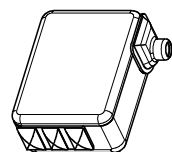
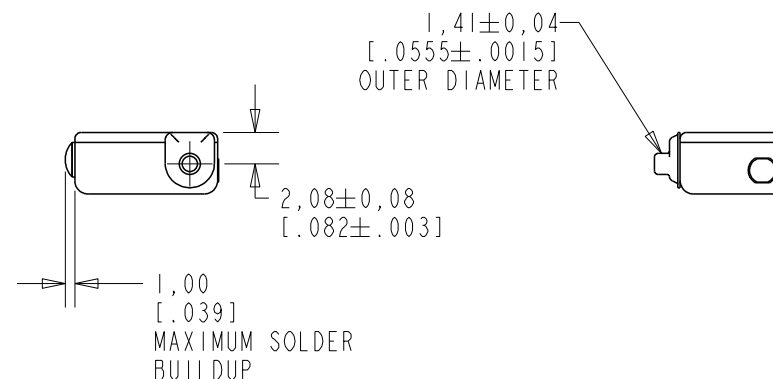
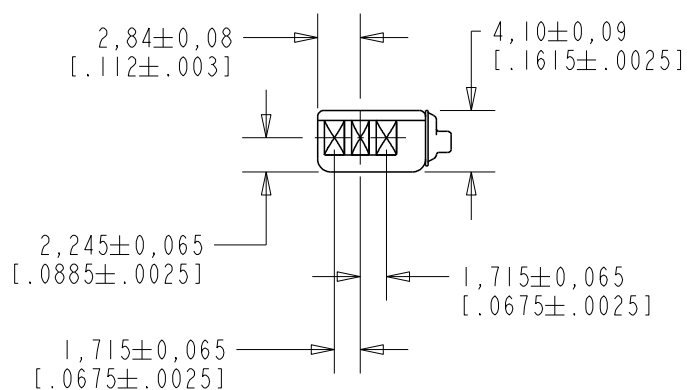
CI-30847-000

SHT 1.1



NOTES:

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



NOMINAL WEIGHT
1.0 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES CORPORATION

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	MI0000945	10-25-16	Active	C
B	CI0114321	12-13-12		
A	CI0111346	7-2-10		

SCALE:

2:1

DR. BY DATE

LSY 7-2-10

CK. BY DATE

GJP 7-6-10

APP. BY DATE

GJP 7-6-10

TITLE:

RECEIVER

CI-30847-000

OUTLINE DRAWING

SHT 1.1

KE111ASIZE.FRM

Rev: B

THE CI-30847-000 IS A BALANCED ARMATURE RECEIVER FOR THE USE IN BTE APPLICATIONS.

NO DAMPING

CI-30847-000
SHEET 2.1

135 dB

130

125

120

115

110

105

100

95

SENSITIVITY IN dB RELATIVE TO 20μPa FOR CONDITIONS SHOWN BELOW

1002345678910002345678910000

FREQUENCY IN HERTZ

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 20μPa. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT 500 Hz.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-1.0	+2.0	+5.0
500	-2.0	118.5	+2.0
850-1150 PEAK 1	+5.0	+7.0	+9.0
1400-1900 VALLEY 1	-6.5	---	---
1900-2600 PEAK 2	-1.0	+3.0	+5.0
2450-3250 VALLEY 2	-8.0	---	---
3000-3600 PEAK 3	-2.5	-0.5	+1.5
3700-4200 VALLEY 3	-12.0	---	---
4000-4600 PEAK 4	-9.5	-7.5	-5.5

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	.448 V	0	5
500	.448 V	0	5
500	.896 V	0	10

TABLE 2.

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	.448 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	2CC SIMULATED ANSI S3.6 TYPE HA-3, (IEC 60318-5)

TABLE 3.

RevisionC.MI000094510-25-16B.CI011432112-13-12A.CI01113467-2-10

RELEASE LEVELActive

REVISIONC

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. BYLSY7-2-10

CK. BYGJP7-6-10

APP. BYGJP7-6-10

TITLE:RECEIVERPERFORMANCE SPECIFICATION

CI-30847-000SHT 2.1

KNOWLES CORPORATION