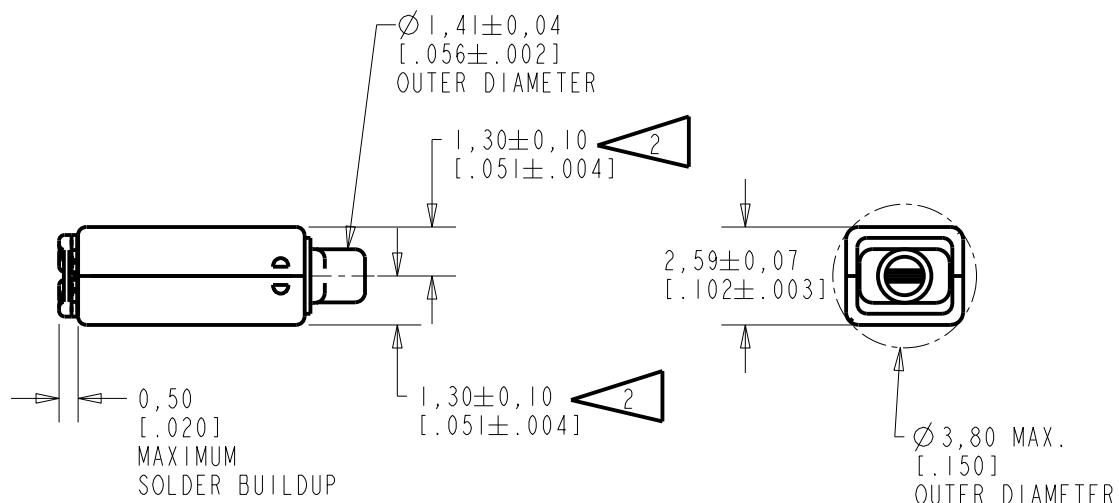
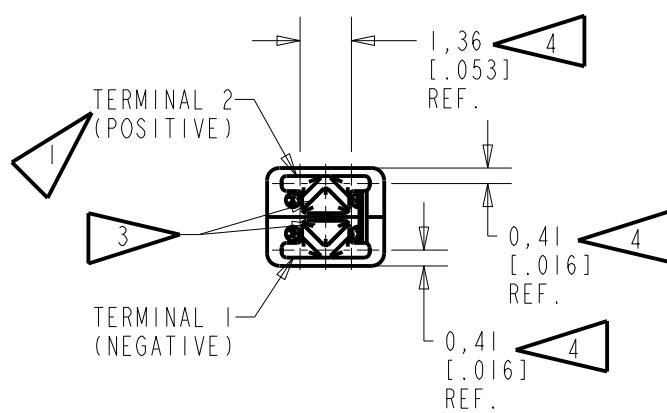
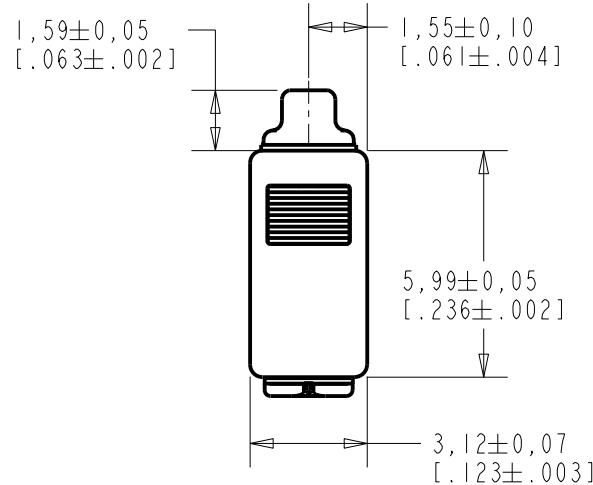


CD-31223-000

SHT 1.1



SCALE 2:1
0.16 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

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NOTES:

- 1 A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL 1, CAUSES AN INCREASE IN PRESSURE AT THE SOUND OUTLET.
- 2 LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER.
- 3 TERMINAL ELECTRICALLY CONNECTED TO CASE.
- 4 DIMENSION TO APPROXIMATE CENTER OF TERMINAL PAD.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	C10113289	3-30-12	Active	C
B	C10112587	6-28-11		
A	C10112068P	3-24-11		

SCALE:	5:1	DR. BY	DATE
	DO NOT SCALE DRAWING	KL	3-24-11
TITLE:	RECEIVER	CK. BY	DATE
	CD-31223-000	GJP	3-29-11
	OUTLINE DRAWING	APP. BY	DATE
		GJP	4-1-11
		KELIASIZE.FRM	
		Rev. B	

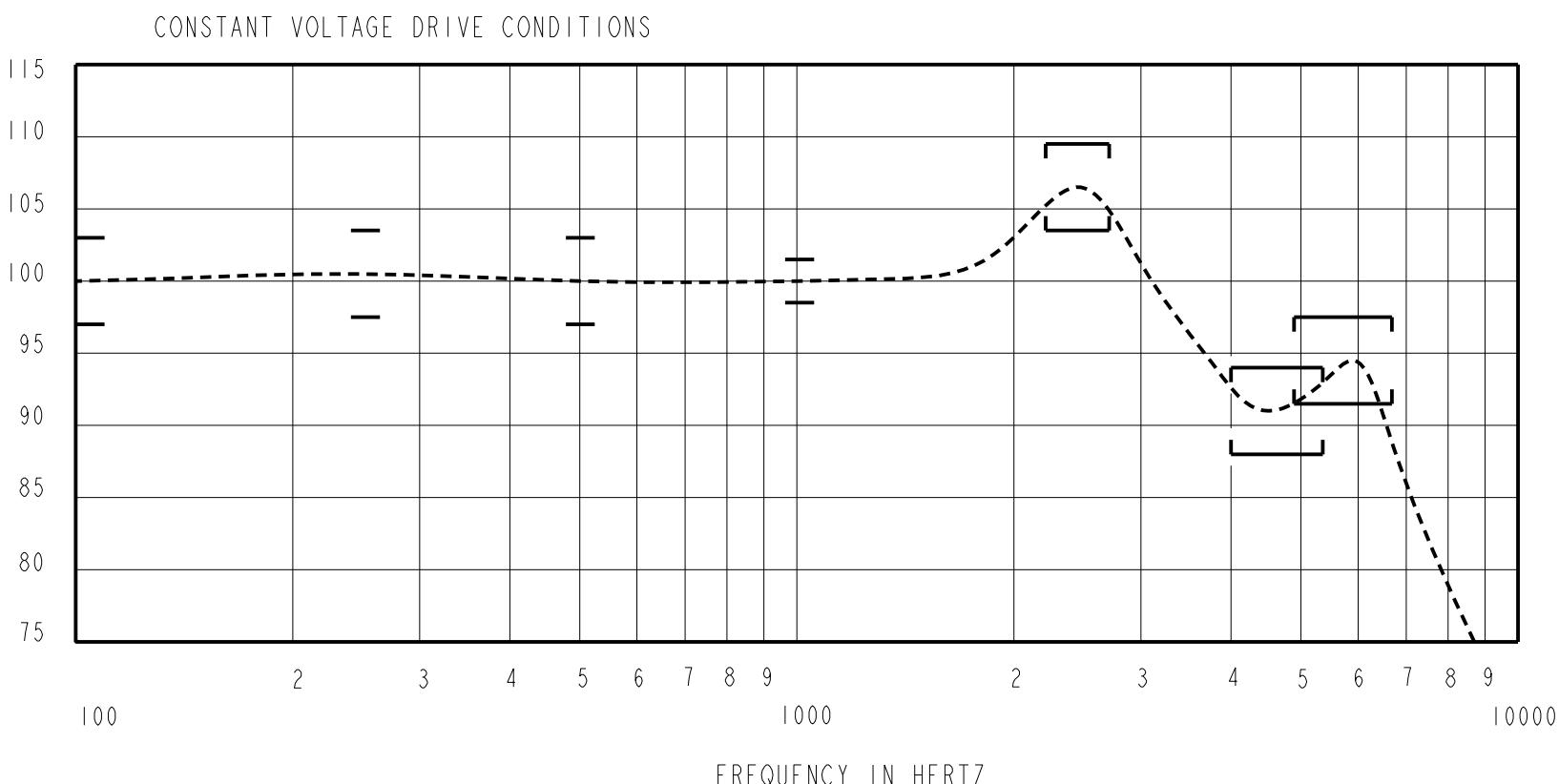
INTENDED FOR USE IN CIC, RIC, AND MINI-BTE APPLICATIONS.
THIS IS A PAIR OF GE RECEIVERS WITH VERY LOW VIBRATION IN
ALL DIRECTIONS. ONE GE RECEIVER IS REVERSE MAGNETIZED FOR
MAGNETIC LEAKAGE CONSIDERATIONS. BOTH DAUGHTER UNITS HAVE
THE CENTER TERMINAL CONNECTED TO CASE.

NO DAMPING

CD-31223-000

SHEET 2.1

SENSITIVITY IN dB RELATIVE TO 20 μ Pa FOR
CONDITIONS SHOWN BELOW



ACOUSTICAL

SENSITIVITY

DEVICE WILL PRODUCE THE SPL LISTED BELOW UNDER TEST CONDITIONS
DESCRIBED IN TABLE 4. NOMINAL SENSITIVITY AT 1kHz IS dB RELATIVE
TO 20 μ Pa. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT 1kHz.

LIMIT TYPE	FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
REL	100	-3.0	0.0	+3.0
REL	250	-2.5	+0.5	+3.5
REL	500	-3.0	0.0	+3.0
REF	1000	-1.5	100.0	+1.5
PEAK	2250 - 2750	+3.5	+6.5	+9.5
VALLEY	4000 - 5400	-12.0	-9.0	-6.0
PEAK	4900 - 6700	-8.5	-5.5	-2.5

TABLE 1

TOTAL HARMONIC DISTORTION

DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	AC DRIVE (Vrms)	DC BIAS (V)	LIMIT (%)
833	0.204	0	3
1250	0.204	0	3
833	0.576	0	8
1250	0.576	0	8

TABLE 2

MAXIMUM OUTPUT LEVEL (TYPICAL)

POWER (mW)	500 Hz SPL (dB)	REQUIRED VOLTAGE (Vrms)	Peak SPL (dB)	REQUIRED VOLTAGE (Vrms)
10	114.0	1.1	124.0	1.6
50	117.0	2.3	128.0	3.1

TABLE 3

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.204 Vrms, 0 mA DC BIAS
SOURCE IMPEDANCE	<1 Ohm
TUBING	10 mm [.394"] LONG X 1 mm [.039"] I.D. ("ITE")
COUPLER CAVITY	2 CM ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5)

TABLE 4

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	C10113289	3-30-12	Active	C
B	C10112587	6-28-11		
A	C10112068P	3-24-11		
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		CD-31223-000	DR. BY DATE KL 3-24-11	
PERFORMANCE SPECIFICATION		SHT 2.1	CK. BY DATE GJP 3-29-11	
			APP. BY DATE GJP 4-1-11	

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