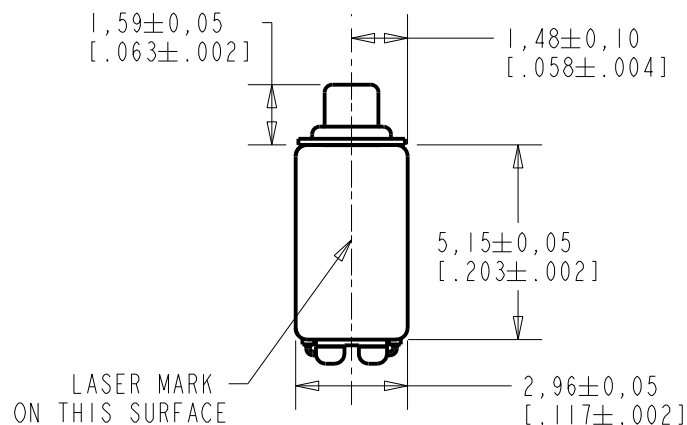
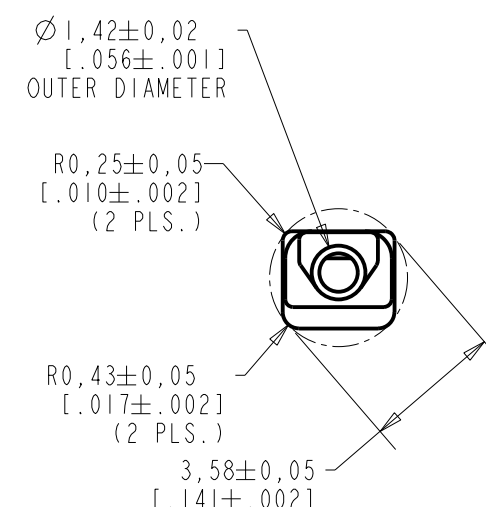
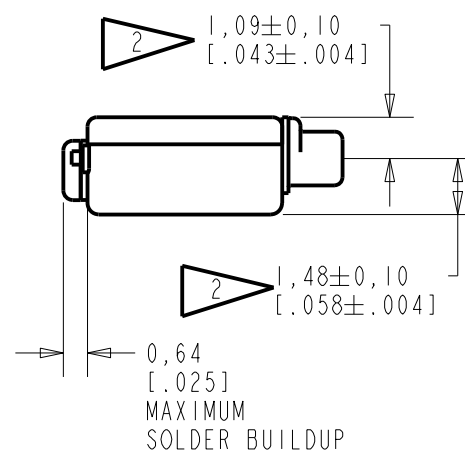
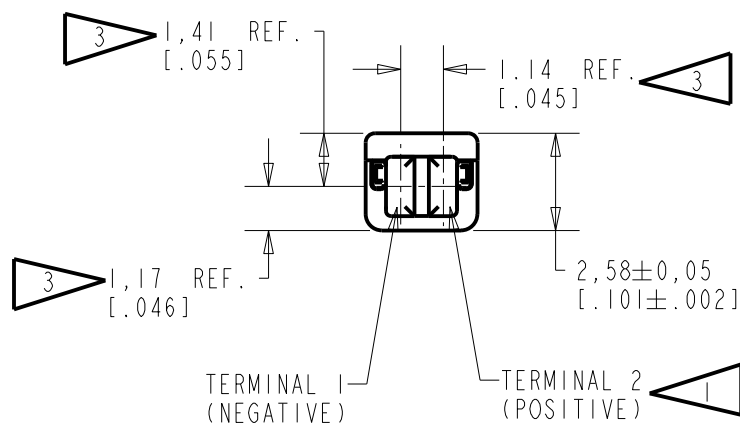


RAB-32063-000

SHT 1.1



- NOTE:
- 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 DIMENSION TO APPROXIMATE CENTER OF TERMINAL PAD.



SCALE 2:1

NOMINAL WEIGHT
.17 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

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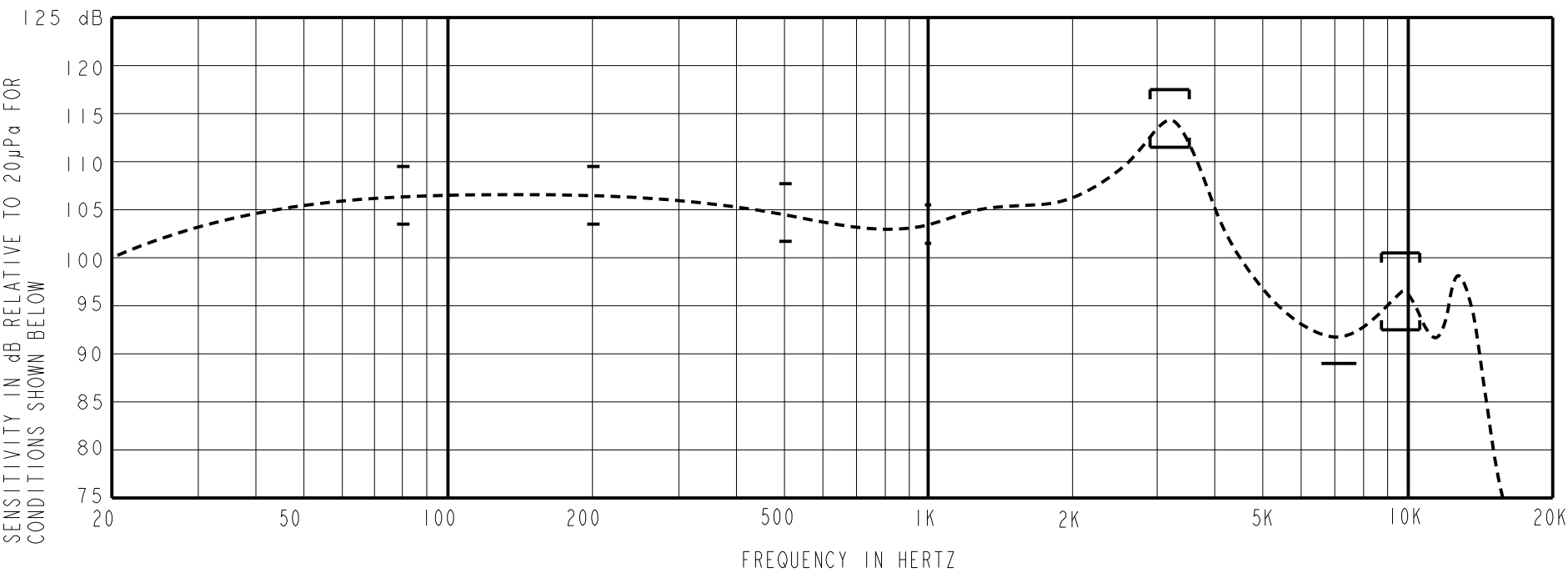
Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	CI0115003	8-8-13		
SCALE: 5:1			DR. BY	DATE
DO NOT SCALE DRAWING			OQ	8-8-13
			CK. BY	DATE
TITLE: RECEIVER		RAB-32063-000	GJP	8-9-13
OUTLINE DRAWING		SHT 1.1	APP. BY	DATE
			GJP	8-9-13

THIS IS A MAGNETIC BALANCED ARMATURE RECEIVER INTENDED FOR
USE IN EARPHONE APPLICATIONS

NO DAMPING

RAB-32063-000
SHEET 2.1

CONSTANT VOLTAGE DRIVE RESPONSE



ACOUSTICAL

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

LIMIT TYPE	FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
REL	80	0.0	+3.0	+6.0
REL	200	0.0	+3.0	+6.0
REL	500	-1.8	+1.2	+4.2
REF	1000	-2.0	103.5	+2.0
PEAK	2900-3500	+8.0	+11.0	+14.0
VALLEY	6600-7800	-14.5	---	---
PEAK	8800-10800	-11.0	-7.0	-3.0

TABLE 1.

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

FREQUENCY (Hz)	DRIVE (Vrms)	LIMIT (%)
1066	0.115	3
1600	0.115	3
1066	0.324	10
1600	0.324	10

TABLE 2.

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.115 Vrms
SOURCE IMPEDANCE	< 1 Ω
TUBING	TUBELESS, KNOWLES TOOL NUMBER T8688
COUPLER CAVITY	IEC 60318-4 (IEC 711)

TABLE 3.

ELECTRICAL

DC RESISTANCE	22.0 Ω ±10%
IMPEDANCE @ 500 Hz	30.5 Ω ±15%
IMPEDANCE @ 1 kHz	46.3 Ω ±15%
INDUCTANCE @ 500 Hz	7.2 mH TYPICAL

TABLE 4.

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

MECHANICAL

PORT LOCATION: 12C

SOLDER TYPE: ROHS COMPLIANT
SAC305

TEMPERATURE
OPERATING: SENSITIVITY WILL NOT VARY MORE THAN
+1/-3 dB FROM 0°C TO 63°C
STORAGE: -40°C TO 63°C

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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	C10115003	8-8-13		
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 OQ	DATE 8-8-13
TITLE: RECEIVER PERFORMANCE SPECIFICATION			CK. BY GJP	DATE 8-9-13
			APP. BY	DATE
			GJP	8-9-13
			RAB-32063-000 SHT 2.1	