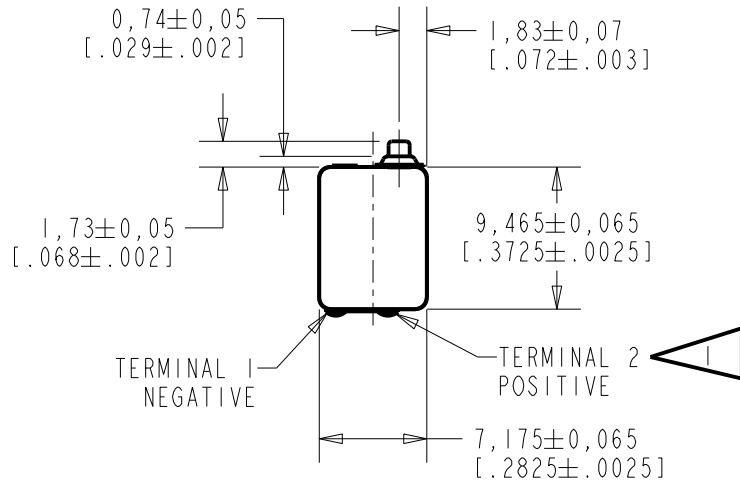
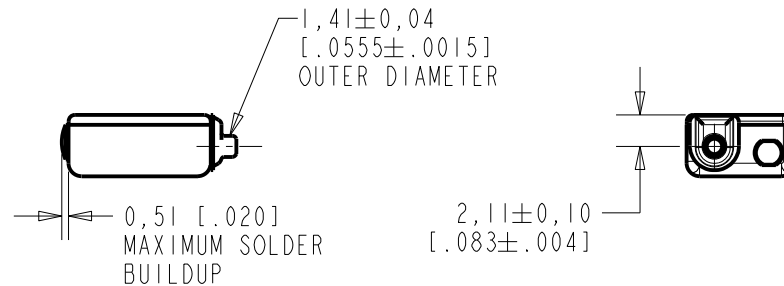
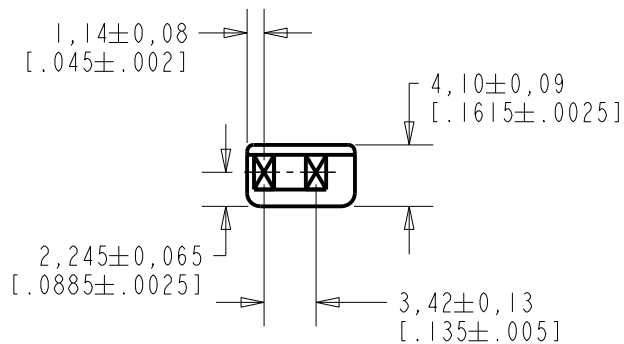


**CI-30050-000**  
SHT 1.1



NOTES:

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



DIMENSIONS IN MILLIMETERS [INCHES]

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

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	CI0111948	12-31-10	Active	B
A	CI0104716	9-13-06		
SCALE: 2:1			DR. BY	DATE
DO NOT SCALE DRAWING			SDZ	9-13-06
TITLE: RECEIVER			CK. BY	DATE
OUTLINE DRAWING			GJP	9-29-06
CI-30050-000			APP. BY	DATE
SHT 1.1			GJP	9-29-06

1300-1900 VALLEY 1	-6.5	---	---
1900-2500 PEAK 2	+0.5	+3.5	+6.5
2600-3200 VALLEY 2	-12.0	---	---
3000-3600 PEAK 3	-3.0	-1.0	+1.0
3700-4200 VALLEY 2	-12.5	---	---
4100-4600 PEAK 4	-9.5	-8.0	-6.5

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	.148 V	0	5
500	.148 V	0	5
500	.412 V	0	10

TABLE 2.

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	.148 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	2 CC SIMULATED ANSI S3.6 TYPE HA-3 (IEC 60318-5)

TABLE 3.

POLARITY  
 POSITIVE SIGNAL APPLIED TO TERMINAL 2 WILL PRODUCE A INCREASE IN SOUND PRESSURE AT THE SOUND OUTLET (REVERSE POLARITY).

**MECHANICAL**

PORT LOCATION: IS

SOLDER TYPE: SAC305 (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

MECHANICAL SHOCK  
 LEAK TEST AFTER AGING (NO LEAK AFTER ANY OF THE ABOVE TESTS)

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

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	C10111948	12-31-10	<b>Active</b>	<b>B</b>
A	C10104716	9-13-06		
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: <b>RECEIVER</b>			<b>CI-30050-000</b>	DR. BY DATE BCR 12-29-95
PERFORMANCE SPECIFICATION			<b>SHT 2.1</b>	CK. BY DATE SJM 1-4-96
				APP. BY DATE DRK 1-9-96

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[13.B35R.A115.0663](#) [A-10-6-BG360-HD1Z-GA-M4Z-ZW](#) [A-10-6-BG410-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG410-HD1Z-FC-AGZ-ZW](#) [A-10-6-](#)  
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[M4Z-ZW](#)