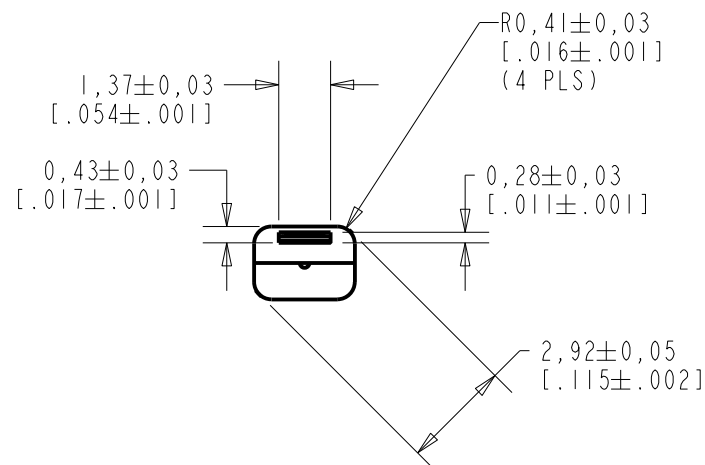
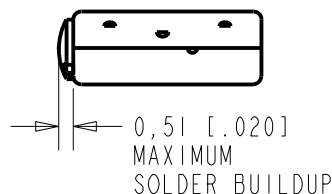
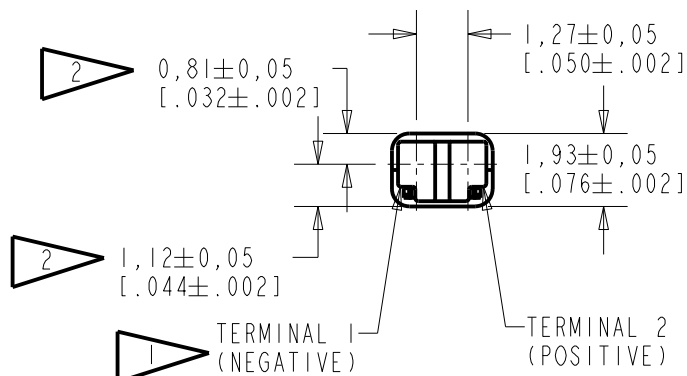
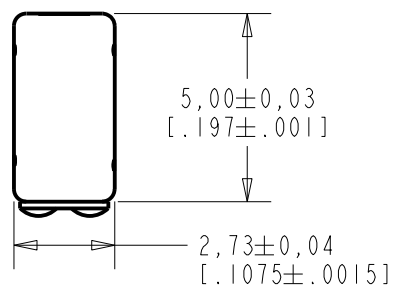


FK-30040-000

SHT 1.1

NOTES:

- 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.



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
F	C10112085	2-10-11	Active	F
E	C10111950	12-20-10		
D	C10110508	11-17-09		

SCALE 2:1
NOMINAL WEIGHT .11 GRAMS
DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

SCALE: 5:1

DO NOT SCALE DRAWING

TITLE: **RECEIVER**
OUTLINE DRAWING

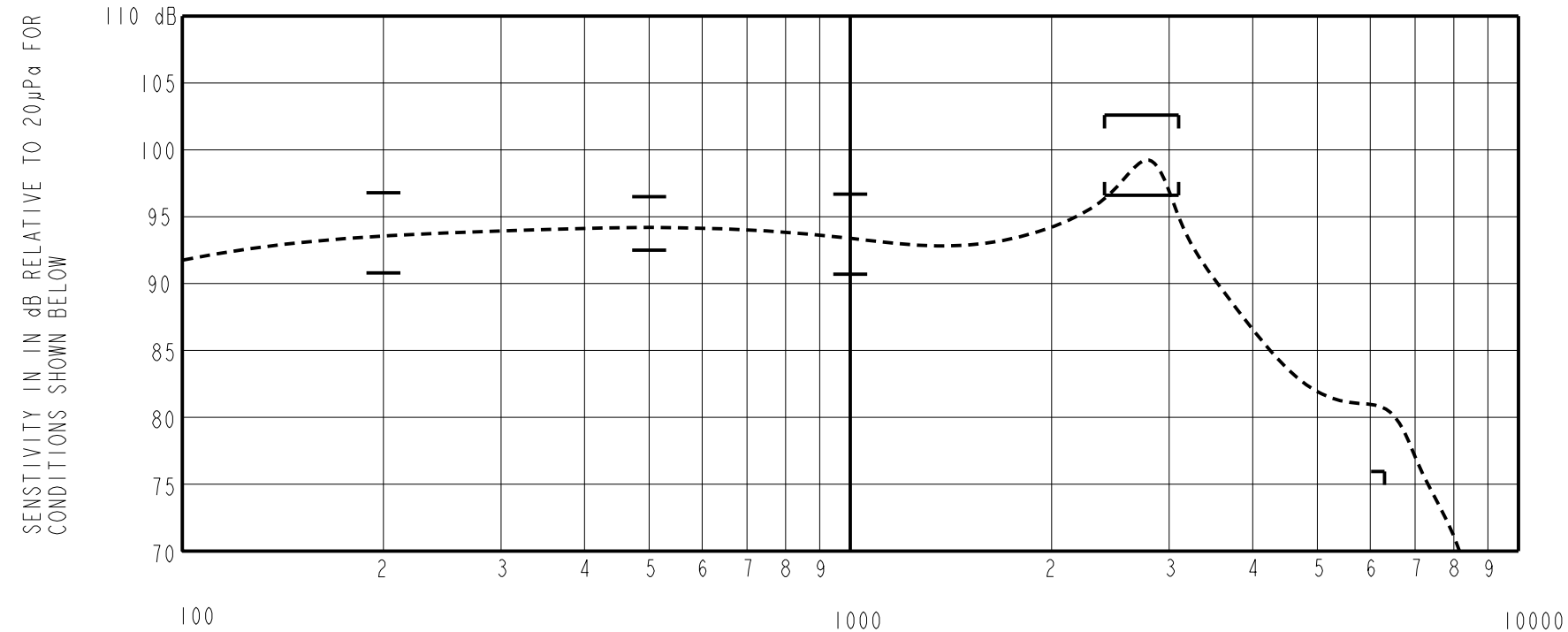
FK-30040-000
SHT 1.1

DR. BY	DATE
MMM	8-18-06
CK. BY	DATE
GJP	8-18-06
APP. BY	DATE
GJP	8-18-06

THE FK-30040-000 IS A TYPE III DAMPING MAGNETIC BALANCED ARAMTURE RECEIVER INTENDED FOR USE CIC HEARING INSTRUMENTS.

TYPE III DAMPING

FK-30040-000
SHEET 2.1



ACOUSTICAL

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

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-2.9	0.1	+3.1
500	-1.2	0.8	+2.8
1000	-3.0	93.7	+3.0
2400-3100	+2.9	+5.9	+8.9
6300	-17.6	---	---

TABLE 1

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

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (V)	LIMIT (%)
900	0.180	0	5
1350	0.360	0	10

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.180 V rms, 0 mA V DC BIAS
SOURCE IMPEDANCE	<1 Ohm
TUBING	10mm [.394"] LONG, 1mm [.039"] I.D.
COUPLER CAVITY	2 CM ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5)

TABLE 3

ELECTRICAL

DC RESISTANCE	200 Ohms ± 10%*
IMPEDANCE @ 500 Hz	266 Ohms ± 15%*
IMPEDANCE @ 1kHz	351 Ohms ± 15%*

TABLE 4

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

NOTE: SPECIFICATIONS FOLLOWED BY AN ASTERISK(*) ARE 100% TESTED.

MECHANICAL

PORT LOCATION: I2N
SOLDER TYPE: SAC305

TEMPERATURE:
OPERATING: SENSITIVITY AT 500 Hz
WILL NOT VARY MORE THAN
± 3 dB FROM -17°C TO 63°C.
STORAGE : -40°C TO 63°C

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
F	C10112085	2-10-11	Active		F
E	C10111950	12-20-10			
D	C10110508	11-17-09			
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	
			MMM	8-18-06	
			CK. BY	DATE	
			GJP	8-18-06	
			APP. BY	DATE	
			GJP	8-18-06	

TITLE: RECEIVER
PERFORMANCE SPECIFICATION

FK-30040-000
SHT 2.1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Knowles:

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