



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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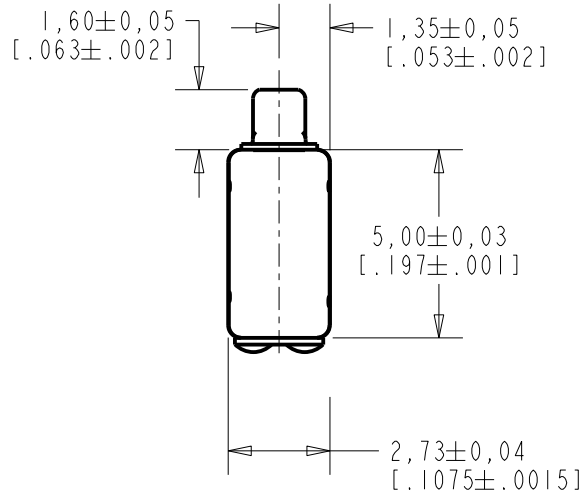
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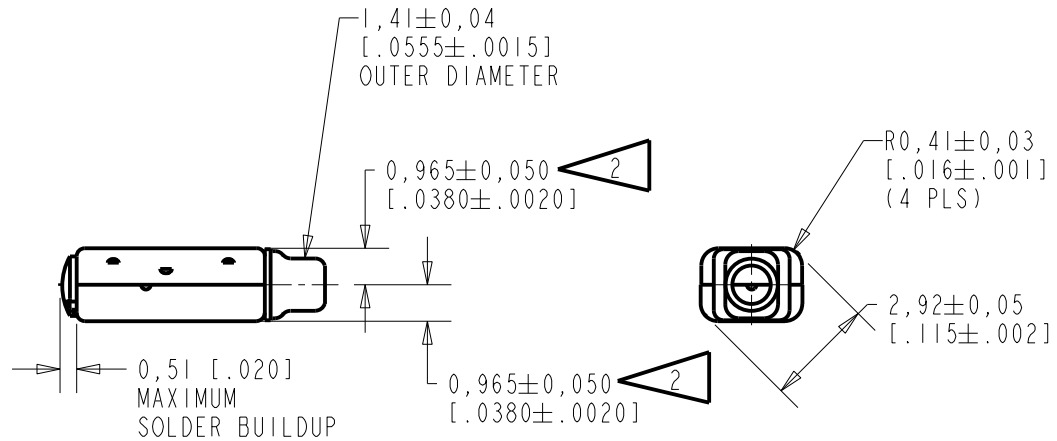
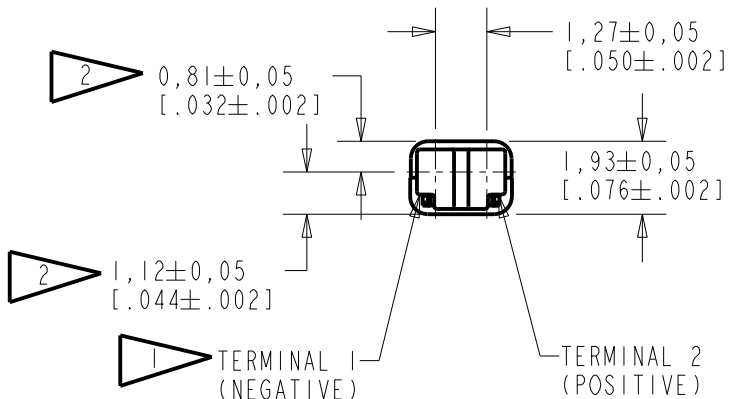


FK-30046-000

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.



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

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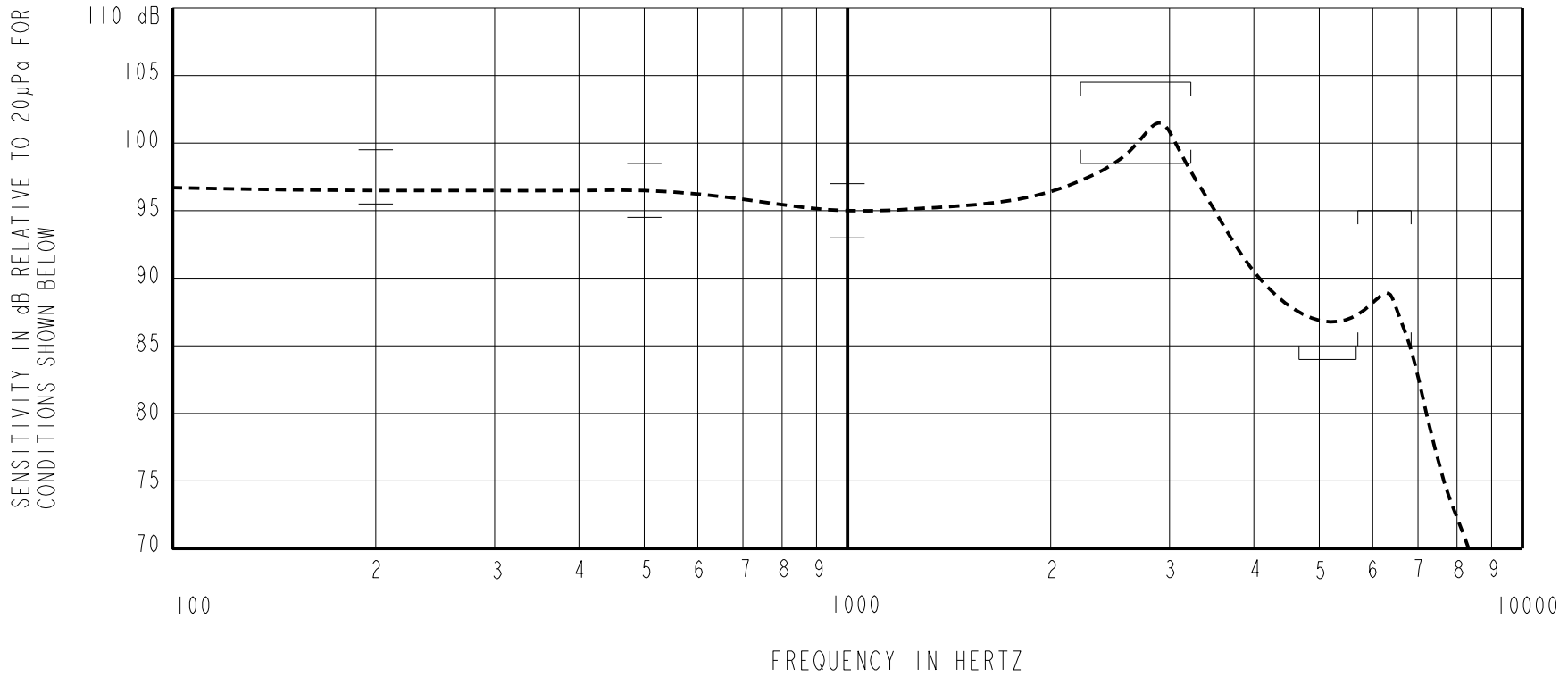
Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
E	C10114032	11-7-12	Active	E
D	C10111047	3-10-10		
SCALE: 5:1			DR. BY DATE	
DO NOT SCALE DRAWING			MMM 8-18-06	
TITLE: RECEIVER		FK-30046-000		CK. BY DATE
OUTLINE DRAWING		SHT 1.1		GJP 8-18-06
				APP. BY DATE
				GJP 8-18-06

THIS IS AN UNDAMPED MAGNETIC BALANCED ARMATURE RECEIVER WITH A SURFACE TREATMENT ON THE TUBE.

NO DAMPING

FK-30046-000
SHEET 2.1

CONSTANT VOLTAGE DRIVE CONDITIONS



ACOUSTICAL

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

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	+0.5	+1.5	+4.5
500	-0.5	+1.5	+3.5
1000	-2.0	95.0	+2.0
2250 - 3250	+3.5	+6.5	+9.5
4650 - 5650	-11.0	---	---
5700 - 6700	-10.0	-5.0	0.0

PORT LOCATION: 12S

TABLE 1
TOTAL HARMONIC DISTORTION
DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (mA)	LIMIT (%)
920	0.241	0	5
1380	0.241	0	5
920	0.679	0	10

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.241 V rms, 0 mA 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	234 Ohms ± 15%
IMPEDANCE @ 1kHz	313 Ohms ± 15%

TABLE 4

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

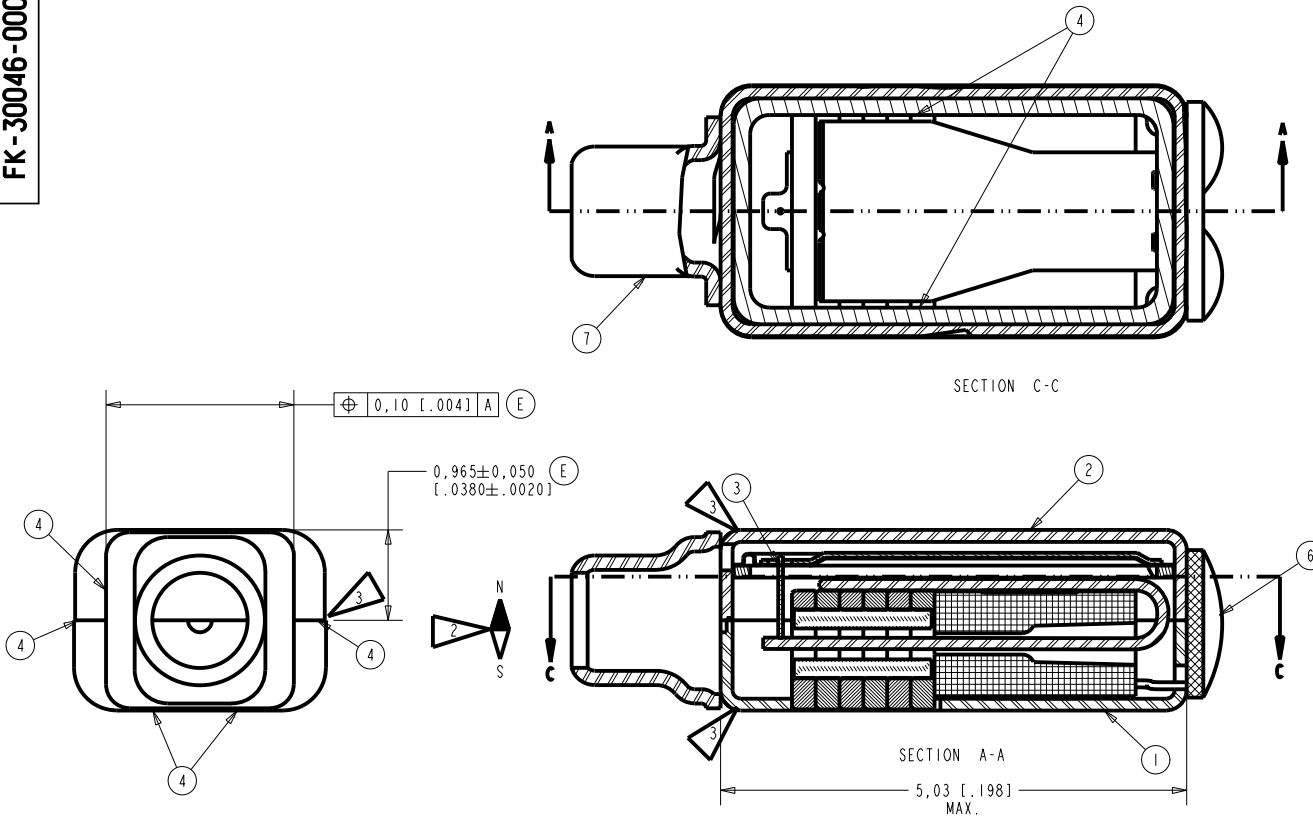
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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
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D	C10111047	3-10-10		
WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION			DR. BY	DATE
TITLE: RECEIVER PERFORMANCE SPECIFICATION			MMM	8-18-06
			FK-30046-000 SHT 2.1	GJP
			APP. BY	DATE
			GJP	8-18-06

FK-30046-000

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- NOTES:
- ITEM NUMBERS (SHOWN THUS **6**) CORRESPOND TO ITEM NUMBERS ON BILL OF MATERIAL.
 - ORIENTATION OF COMPASS NEEDLE IN THE MAGNETIZING FIELD.
 - AIRTIGHT SEAL ALL AROUND.

DIMENSIONS IN MILLIMETERS [INCHES]

RELEASE LEVEL	REVISION
Active	E
SCALE: 20:1	DO NOT SCALE DRAWING
DR. BY DATE	MM 8-18-06
CH. BY DATE	GJP 8-18-06
APP. BY DATE	GJP 8-18-06

REF.	NOTE	MATERIAL	SEE BILL OF MATERIAL	FINISH
A	C10104668			
B	C10104880			
SEE SHEET 2.1 LSY 9-28-06				
C	C10108259P			
COIL FLIPPED LSY 12-29-08				
D	C10111047			
MODIFIED SHEET 2.1 SOZ 3-10-10				
E	C10114032			
TOLERANCE UPDATED DIMENSIONS ADDED LSY 11-17-12				

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.	
THIRD ANGLE PROJECTION	TITLE
	RECEIVER ASSEMBLY
REV: B	FK-30046-000
	SHEET 3.1

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PRODUCTION TEST INFORMATION

SOFTWARE REVISION PXI FCART	SOFTWARE 2.5 MIN.
HARDWARE REVISION PXI FCART	KE 1065E.008 MIN.
TEST BOARD	T-7834
TEST COUPLER	T-8049

PHASE

FREQUENCY (Hz)	AC DRIVE (mArms)	MINIMUM (Deg)	NOMINAL (Deg)	MAXIMUM (Deg)
500	0.77	140	160	180

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