



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!



Contact us

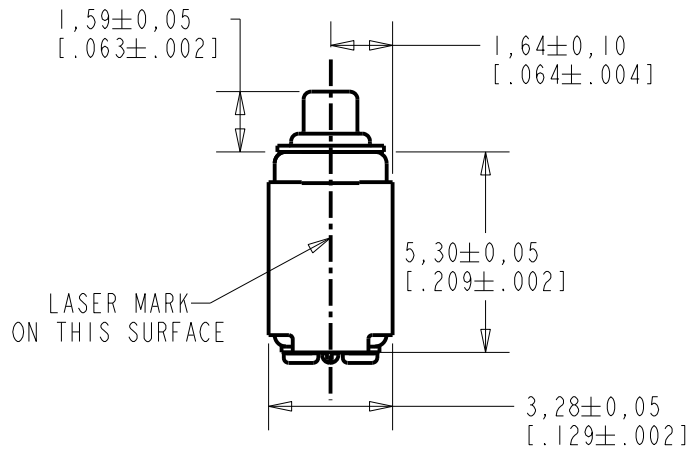
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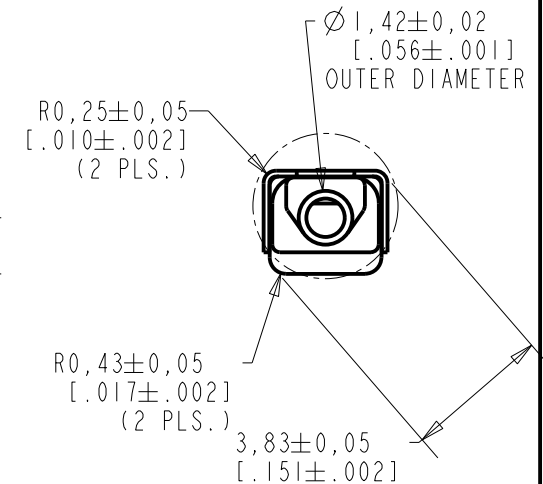
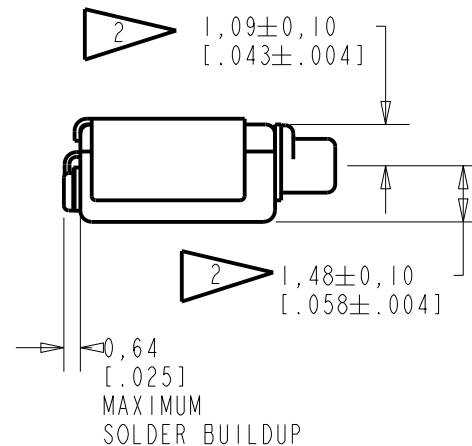
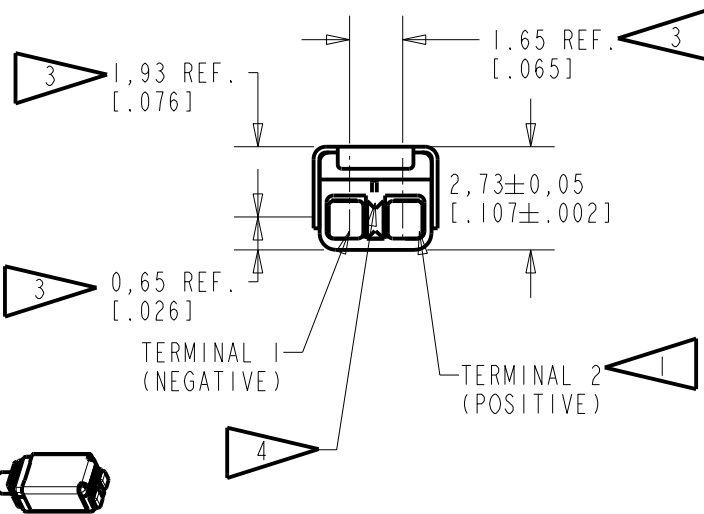
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



RAB-32066-000
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.
 - 4 TERMINAL ELECTRICALLY CONNECTED TO CASE.



SCALE 2:1
NOMINAL WEIGHT .20 GRAMS
DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	CI0116723P	5-05-15	Active	C
B	CI0116018	6-23-14		
A	CI0115511P	3-25-14		

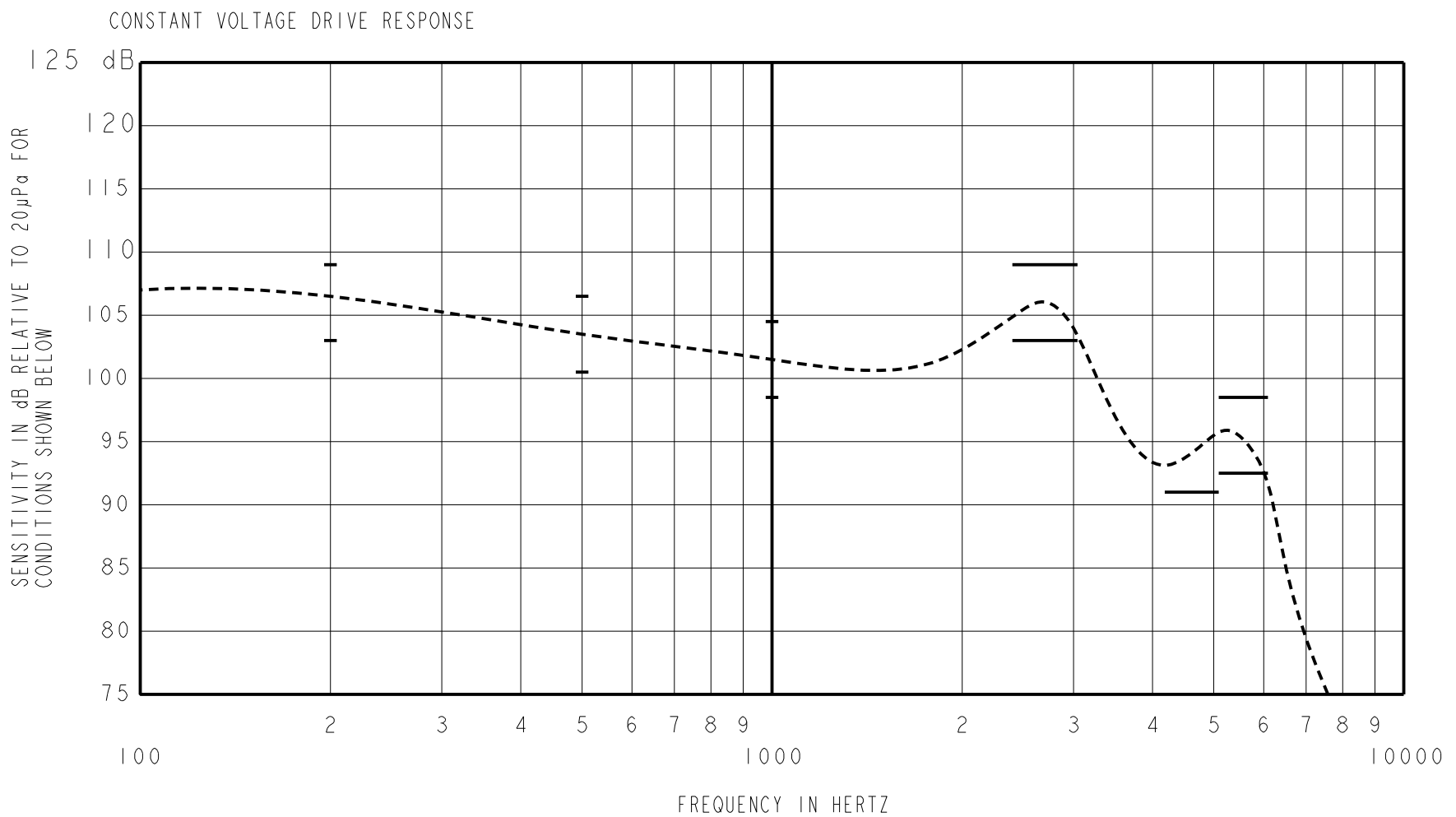
SCALE: 5:1		DR. BY: LW	DATE: 3-25-14
DO NOT SCALE DRAWING			
TITLE: RECEIVER		RAB-32066-000	
OUTLINE DRAWING		SHT 1.1	
		CK. BY: GJP	DATE: 4-2-14
		APP. BY: GJP	DATE: 4-2-14

THIS IS AN UNDAMPED MAGNETIC BALANCED ARMATURE RECEIVER WITH 3- SIDED MAGNETIC SHIELD ADDED INTENDED FOR USE IN HEARING INSTRUMENTS.

NO DAMPING

RAB-32066-000

SHEET 2.1



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	200	+1.5	+4.5	+7.5
REL	500	-1.0	+2.0	+5.0
REF	1000	-3.0	101.5	+3.0
PEAK 1	2450-3050	+1.5	+4.5	+7.5
VALLEY	4200-5200	-10.5	---	---
PEAK 2	5100-6100	-9.0	-6.0	-3.0

TABLE 1.

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

FREQUENCY (Hz)	DRIVE (Vrms)	LIMIT (%)
1/3 PEAK1 (TYP. 917)	0.180	5
1/2 PEAK1 (TYP. 1375)	0.180	5

TABLE 2.

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.115 Vrms,
SOURCE IMPEDANCE	< 1 Ω
TUBING	10 mm (.394) LONG, 1 mm (.039) ID.
COUPLER CAVITY	2CC SIMULATED ANSI S3.7 TYPE HA-3, (IEC 60318-5)

TABLE 3.

ELECTRICAL

DC RESISTANCE	65.0 Ω ±10%
IMPEDANCE @ 500 Hz	90.0 Ω ±20%
IMPEDANCE @ 1 kHz	135.0 Ω ±15%
INDUCTANCE @ 500 Hz	19.8 mH TYPICAL

TABLE 4.

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

MECHANICAL

PORT LOCATION: 12S

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
C	C10116723P	5-05-15	Active	C
B	C10116018	6-23-14		
A	C10115511P	3-25-14		
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			LW	3-25-14
			RAB-32066-000 SHT 2.1	
			CK. BY	DATE
			GJP	4-2-14
			APP. BY	DATE
			GJP	4-2-14