



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

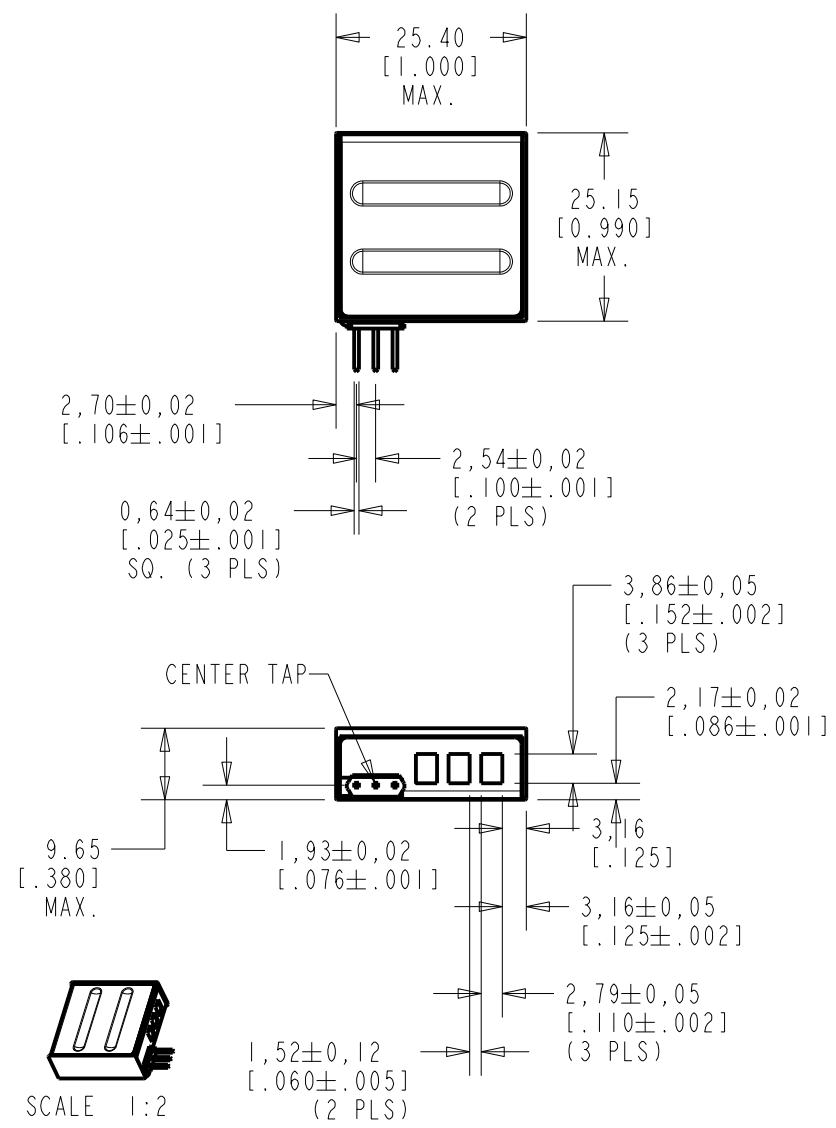
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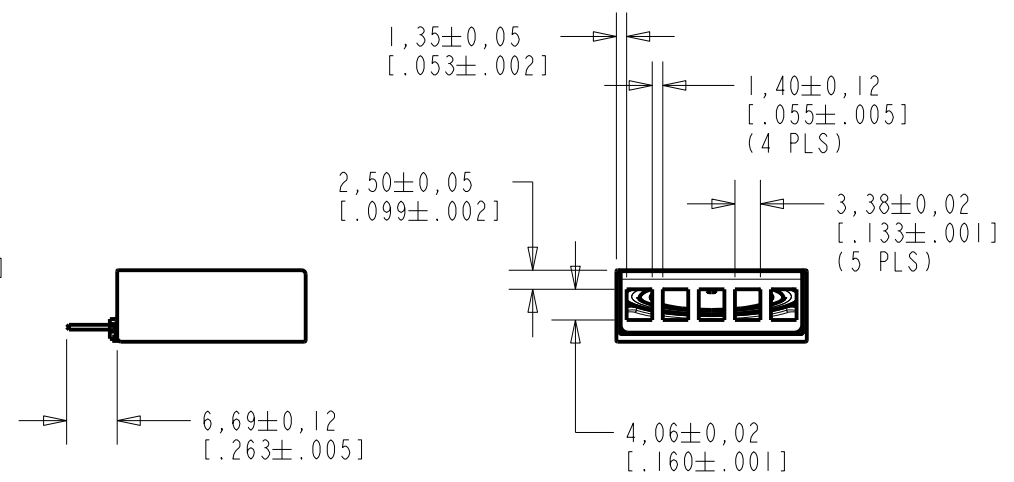


CB-22850-000
SHT 1.1



SCALE 1:2
NOMINAL WEIGHT
13.5 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

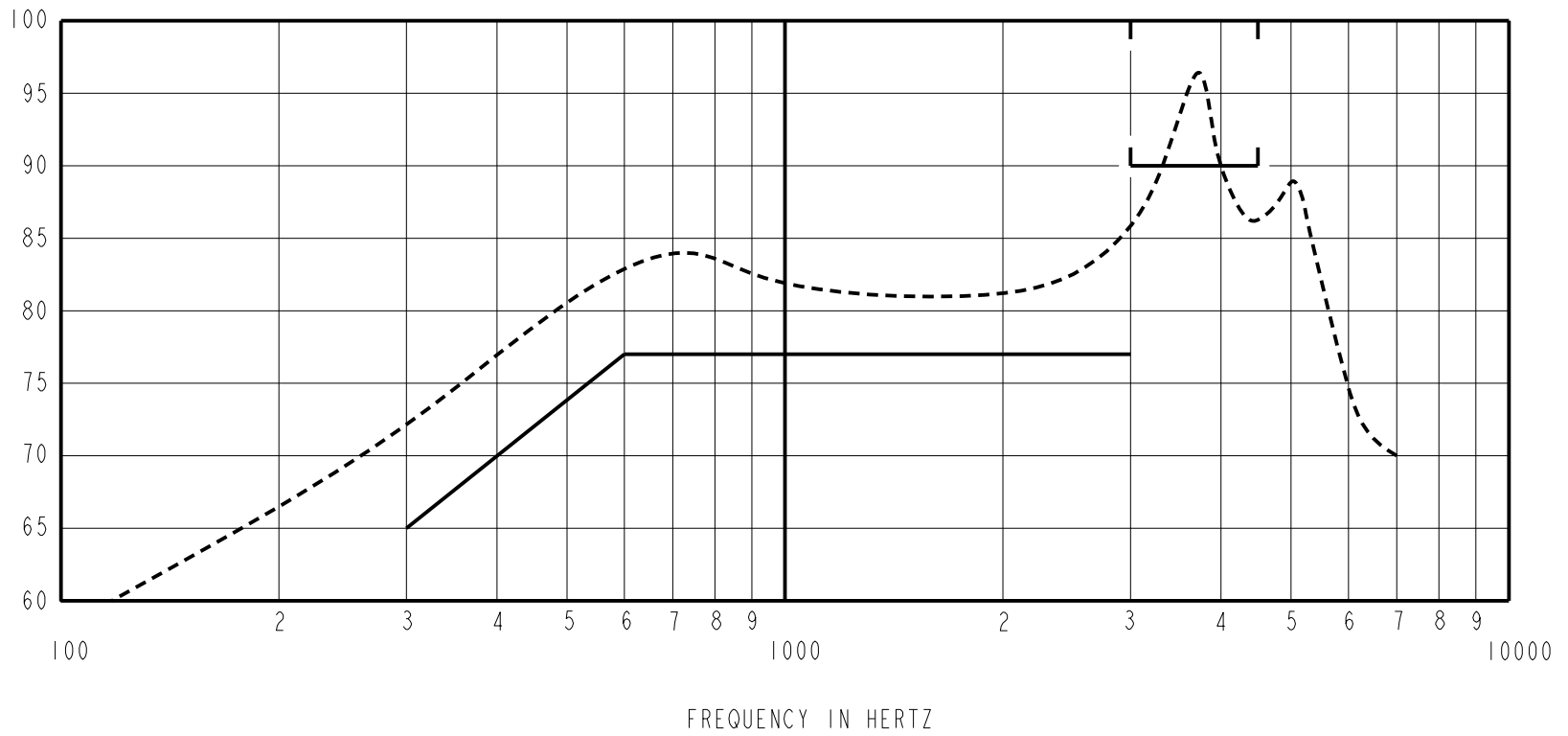


Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
A	MI0104834	10-17-12	Active	A

SCALE: 1:1		DR. BY: LSY	DATE: 9-20-12
DO NOT SCALE DRAWING			
TITLE: MICROPHONE		CB-22850-000	
OUTLINE DRAWING		SHT 1.1	
		APP. BY: GJP	DATE: 10-18-12
		APP. BY: GJP	DATE: 10-18-12

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

SENSITIVITY IN dB FOR CONDITIONS SHOWN BELOW.



1. SENSITIVITY IN dB RELATIVE TO .0002 MICROBAR (2×10^{-5} N/m²) FOR THE CONDITIONS SHOWN IN #2 & #3 BELOW.
2. MEASUREMENTS MADE ON AXIS AT 300mm [11.81in] NORMAL TO THE SOUND PORT UNDER FREE FIELD (ANECHOIC) CONDITIONS. THE REAR PORT IS VENTED INTO A 160 cm³ DAMPED CAVITY FOR THIS MEASUREMENT.
3. ELECTRICAL SIGNAL (CONSTANT VOLTAGE):
SOURCE IMPEDANCE: < 0.5 OHMS
VOLTAGE APPLIED : 1.55 VOLTS RMS
4. NOMINAL IMPEDANCE:
ACOUSTICAL CONDITIONS: SEE #2 ABOVE
ELECTRICAL CONDITIONS: SEE #3 ABOVE
IMPEDANCE AT 500 Hz : 48 OHMS
IMPEDANCE AT 1 kHz : 48 OHMS
5. TOTAL HARMONIC DISTORTION:
ACOUSTICAL CONDITIONS: SEE #2 ABOVE
ELECTRICAL CONDITIONS: SEE #3 ABOVE
FREQUENCY : 500 Hz
DISTORTION : 15% MAX.
6. NOMINAL DC RESISTANCE @ 20°C: 21.5 OHMS
7. SENSITIVITY

FREQUENCY	MIN.	MAX.
300	55.0	---
600	67.0	---
3000	67.0	---
3000-4500	80.0	90.0

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			Active	A
A	MI0104834	10-17-12		

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.		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: MICROPHONE PERFORMANCE SPECIFICATION		CB-22850-000 SHT 2.1		LSY	9-20-12
				GJP	10-18-12		
		APP. BY	DATE	GJP	10-18-12		