

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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EK-23024-000

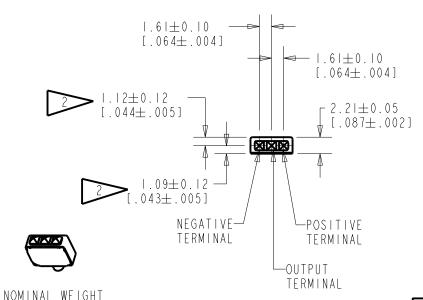
SHT I.I

NOTE

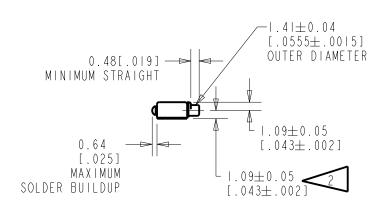
I. INCREASED PRESSURE AT THE SOUND INLET CAUSES A POSITIVE GOING VOLTAGE TO APPEAR AT THE OUTPUT TERMINAL, RELATIVE TO THE NEGATIVE TERMINAL.



LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO ± 0 ,17 [.007].



 1.61 ± 0.06 — $[.0635\pm.0025]$

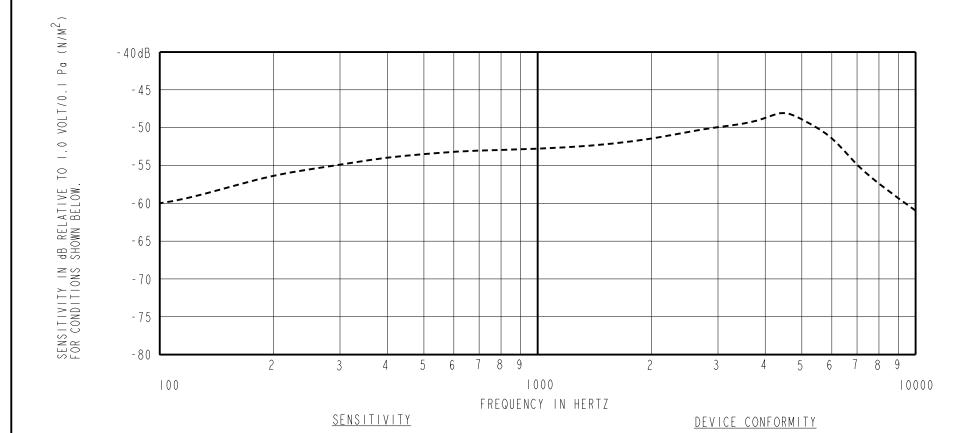


DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

. I3 GRAM

Revision	C.O. #	Implementation	Date	RELEASE LEVEL		REVISION
				A . 1 .		
В	M10105324	01/24/14		Activ		
A	M10100922	11/23/05			•	
SCALE:	SCALE: 2:I				DR. BY	DATE
DO NOT COLLE DOLWING					DMS	11/23/05
DO NOT SCALE DRAWING					CK. BY	DATE
TITLE:	MIC	ROPHONE		EK-23024-000	GJP	11/27/05
	1-11 0	NOI HOIL		EN 2002 : 000	APP. BY	DATE
	OUTL	INE DRAWING		SHT I.I	GJP	11/27/05
		_	•	KE	IIIASIZE.FRM	Rev: B



NOTES:

FREQUENCY

3500-5500

100

1000

I. CASE CONNECTED TO NEGATIVE TERMINAL.

MIN.

- - -

-55.0

- 2. MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- 3. CONFORMS TO REQUIREMENTS SHOWN ON 'ELECTRET MICROPHONE ENVIRONMENTAL QUALIFICATIONS TEST, EK-PA SHEET 2.2' WITH REF. FREQ. OF 1000 Hz.

MAX.

- - -

-51.0

4. TYPICAL SENSITIVITY TO HUMIDITY AT 1000 Hz IS 0.02 dB/%RH.

NOM.

-60.0

-53.0

- 48.5

5. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

PORT	DC		SENSITIVITY CHANGE	"A" WEIGHTED NOISE	OUTPUT IMPEDANCE OHMS MIN. NOM. MAX.		
LOCATION	SUPPLY	CURRENT DRAIN	TO 0.9VDC	(I kHz EQUIV. SPL)	MIN.	NOM.	MAX.
128	1.3V	50 μA MAX.	3 dB MAX.	26.0 dB MAX.	2800	4400	6800

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В	MI0105324	01/24/14	Active	l K
А	M10100922	11/23/05	714 1 1 4	

DATE 11/23/05

DATE

11/27/05

DATE

11/27/05

RANGE OF DEVIATION FROM IKHZ

+4.0

0.0

+7.5

- | | . 0

0.0

+1.5

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION DR. BY CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR DMS

CK. BY

TITLE: MICROPHONE EK-23024-000

PERFORMANCE SPECIFICATION SHT 2.1 GJP

APP. BY

GJP

APP. BY

GJP