

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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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

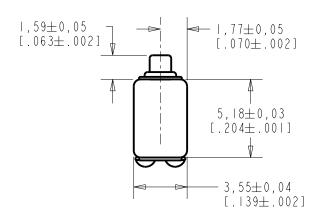






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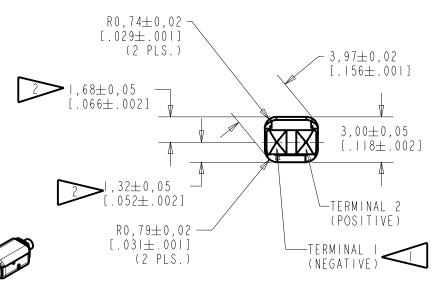
SHT I.I

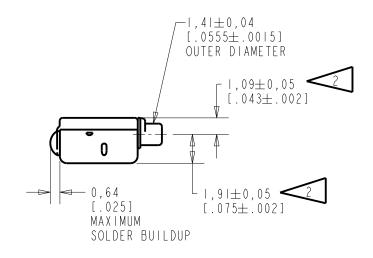


NOTES:

A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL I, 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.





RELEASE LEVEL

REVISION

SCALE 2:1

NOMINAL WEIGHT .23 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES	ELECTRONIC	CS

ITASCA, ILLINOIS U.S.A.

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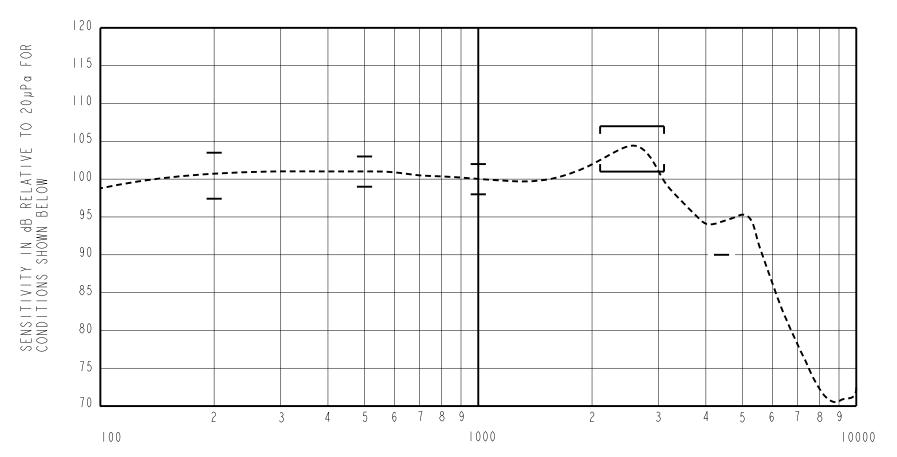
Revision | C.O. # | Implementation Date

PORT LOCATION: 12C

FFC-23981-104

SHEET 2.1

CONSTANT VOLTAGE DRIVE CONDITIONS



FREQUENCY IN HERTZ

ACOUSTICAL

SENSITIVITY

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

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-2.5	+0.5	+3.5
500	-1.0	+ . 0	+3.0
1000	-2.0	100.0	+2.0
2100 - 3100	+ . 0	+4.0	+7.0
4400	-10.0		

TABLE I

TOTAL HARMONIC DISTORTION

DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (V)	LIMIT (%)
500	0.42	0	10
870	0.15	0	6
1300	0.15	0	6

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.15 V rms, 0 mA DC BIAS
SOURCE IMPEDANCE	< I Ohm
TUBING	
COUPLER CAVITY	2 CM ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5)

TABLE 3

ELECTRICAL

DC RESISTANCE	56 Ohms ± 10%
IMPEDANCE @ 500 Hz	69 Ohms ± 15%
IMPEDANCE @ IkHz	96 Ohms + 15%

TABLE 4

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

TEMPERATURE: OPERATING RANGE FROM 0°C TO 63°C (SENSITVITY WILL NOT VARY BY MORE THAN ± 3 dB WITHIN RANGE) SENSITIVITY AT 0°C IS 2dB LOWER THAN THE SENSITIVITY AT ROOM TEMPERATURE.

DELTA PEAK IS 1.5dB HIGHER AT BODY TEMPERATURE (37°C)

STORAGE RANGE FROM -40°C TO 63°C

	Revision C.O. # Implementation Date RELEASE LI		RELEASE LEVEL		REVISION
	D C101	12708 9-2-11	Active		D
KNOWLES ELECTRONICS	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 MMM CK. BY	DATE 9 - 30 - 05 DATE	
ITASCA, ILLINOIS U.S.A.	TITLE:	RECEIVER	FFC-23981-104	GJP APP. BY	10-3-05 DATE
	PERF	ORMANCE SPECIFICATION	SHT 2 I	GIP	10-3-05