

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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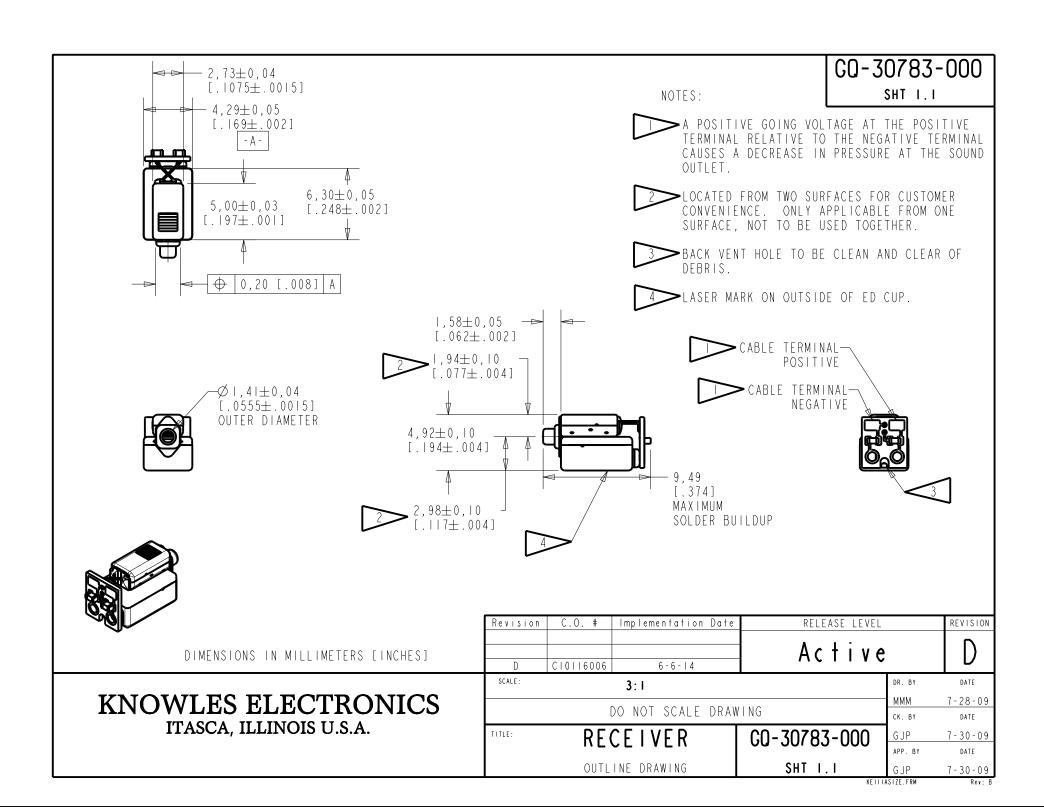
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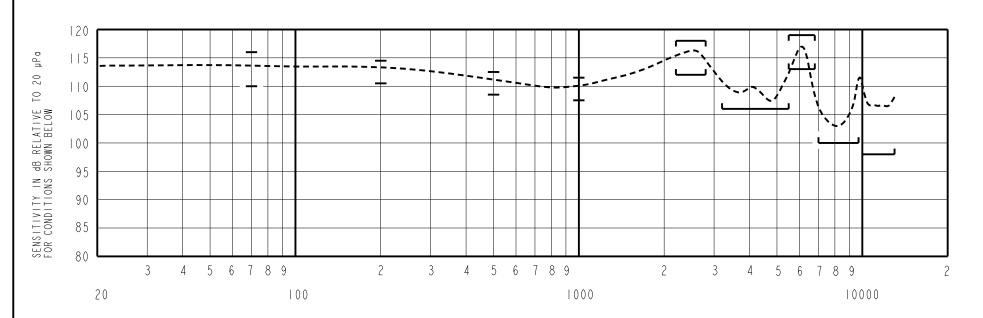


NO DAMPING

CQ-30783-000

CONSTANT VOLTAGE DRIVE CONDITIONS

TESTED WITH VENT UNSEALED



TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	O.IOI V rms, O V DC BIAS
SOURCE IMPEDANCE	< I Ohm
TUBING	7 X 2 mm + 0.188cc CAVITY
COUPLER CAVITY	IEC 60318-4 ("711")
TEST STATION	FCAAT

TABLE I

ACOUSTICAL

SENSITIVITY

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

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
70	+0.5	+3.5	+6.5
200	+ . 0	+ 3 . 0	+5.0
500	-1.0	+ . 0	+3.0
1000	-2.0	109.5	+2.0
2200 - 2800	+2.5	+6.0	+8.5
3200 - 5500	-3.5		
5500 - 6800	+ 3 . 5	+6.5	+9.5
7000 - 9700	-9.5		
10000 - 13000	-11.5		

TABLE 2

TOTAL HARMONIC DISTORTION

DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (mA)	LIMIT (%)
500	0.202	0	8
830	0.101	0	5
1250	0.101	0	5

TABLE 3

ELECTRICAL

DC RESISTANCE	12.5 Ohms ± 10%		
IMPEDANCE @ 500 Hz	21.5 Ohms ± 15%		
IMPEDANCE @ IkHz	39.4 Ohms ± 15%		

TABLE 4

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

MECHANICAL

PORT LOCATION: 12S

SOLDER TYPE: SAC305 (LEAD FREE)

TEMPERATURE:

OPERATING: SENSITIVITY AT IK Hz WILL NOT VARY
MORE THAN +1/-3 dB FROM 17°C TO 63°C.

STORAGE: -40°C TO 63°C.

BUZZ TEST

LISTENING TEST CONDUCTED BETWEEN 20Hz TO 3kHz TO DETECT BUZZ.

_	V112 1	ONTIL	TO DETE	OT BOLL:
	INPUT	DRIVE	SIGNAL	0.18V

TABLE 5

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			l Active)
D	C10116006	6 - 6 - 1 4	7.01.10	
				•

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION	DR. E
CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION	MMM
	CK. E

RECEIVER

PERFORMANCE SPECIFICATION

	MMM	1-28-09
	CK. BY	DATE
CO-30783-000	GJP	7 - 30 - 09
00 001 00 000	APP. BY	DATE
SHT 2.1	G IP	7 - 30 - 09