OBO Pro.2	SPECIFICATIONS	MODEL NO OBO-1212C-A2
	PART NAME Magnetic Transducer	SHEET 1 OF 4

ALTERNATION HISTORY

Marking	Date	ECN NO.	REV.	Description	Page	PREPARE BY	APPROVE BY
--	JUN.19,03	0306008	E	1.1Change the operating temperature: -20℃~+70℃ to -30℃~+80℃	4	Penny	_ _ _ _
※1	SEP.19,05	0509003	F	1. Change the operating temperature:& Storage temperature 2.Conformity RoHS Directive (2002/95/EC) Requests.	4	LuLu	_ _ _ _
※2	MAR.02,07	0703001	G	3.1Wave Soldering Peak temperature: +230℃ to +260℃ 3.1Hand Soldering lron Tip Temperature: +350℃ to +380℃	4	劉大成	陳建合
※3	JAN.24,13	****	H	Change product diagram	4	曾梅梅	林建宏
※4	MAR.27,15		I	Change the operating temperature -30℃~+80℃ to -40℃~+85℃	4	何淑莉	江學金

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
I	MAR.27,2015	何淑莉	林建宏	江學金

MODEL NO : OBO-1212C-A2

Features:Conformity RoHS Directive(2002/95/EC) Requests.

1. General Specifications:

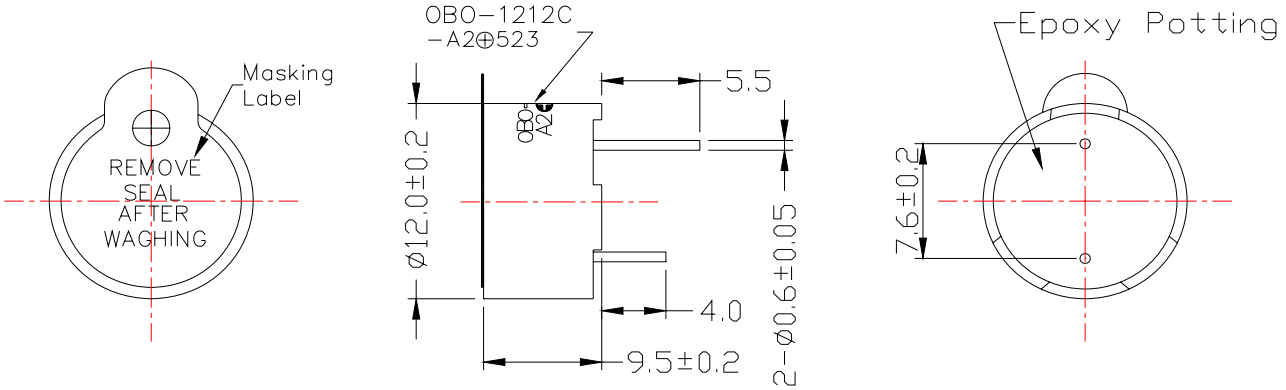
Items	Spec.
※ Sound Pressure Level	85 dB min./10cm/ DC12V
Rated Voltage	DC12V
Resonant Frequency	2300 Hz±300
※ Rated Current	30mA max./ DC12V
Operating Voltage	DC8~16V
Housing Material	NORYL
Lead Pin Material	Red Copper（DSn）
Operating Temp. Range	※4 -40℃ to +85℃
Storage Temp. Range	-40℃ to +85℃
Weight	2.0g

2. Mechanical Layout and Dimensions:

※ Value applying rated voltage.(DC)

2.1 Dimendions ※3

Tolerance: ±0.5mm Unit: mm



Wave Solder and Wash Allowed

2.2 Meaning Of Stamp Mak

532 : Production period

5 : Year 2005 (Last 1 figures of the year)

23 : Week (01~55)

3.Soldering Condition: ※1

3.1 Hand Soldering ※2

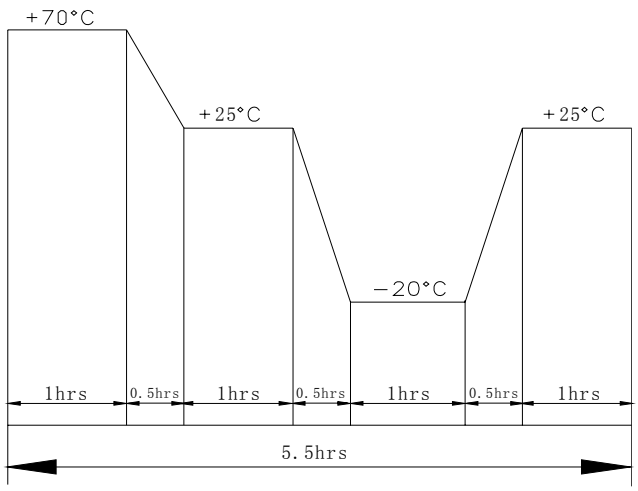
Iron Tip Temperature	Soldering time
+380℃Max.	Duration 3 seconds Max.

3.2 Wave Soldering ※2

Peak Temperature	Dipping time	Soldering time
+260℃	5 seconds	1 Time

4.Reliability test

NO.	Item	Test conditions	Evaluation standard
1	High .Temp. .Storage	After being placed in a chamber at +70℃ for 72 hours.	After any tests, the sensitivity to be within ±3dB of initial sensitivity after 6 hours of conditioning at +25℃
2	Low temp. test	After being placed in a chamber at -25℃ for 72 hours.	
3	Humidity test	After being placed in a chamber at +40℃and 90±5% relative humidity for 240 hours.	

4	Temp.cycle test	The part shall be subjected to 10 cycles.One cycle shall be consist of: :  	
5	ESD test	The microphone under test must be discharged between each ESD exposure without ground(contact: ±8Kv, air:±15Kv)	After the test, there is no interference in operation after 10 times exposure.

5. **Packing Information :**