

OBO Pro.2®	SPECIFICATIONS	MODEL NO. OBO-1205A-D5
	PART NAME Magnetic Transducer	SHEET 1 OF 6

ALTERNATION HISTORY							
Marking	Date	ECN. NO.	REV.	Description	Page	PREPARE BY	APPROVE BY
---	JUL,12'02	0207002	F	Change Dimensions.	4	李永隆	吳永文
※1	OCT,29'04	0410002	G	Change Packing.	4/5	簡沛玲	陳建合
※2	DEC,08'05	0512011	H	Conformity RoHS Directive (2002/95/EC) Requests.	2,3,4	馮仁如	蕭可致
※3	JUL,05'06	0607001	I	1.Change Item 3,4. 2.Add Item 6.	6	馮仁如	蕭可致
※4	SEP,18'06	0609003	J	Change Item 5.	4	馮仁如	陳建合

REV.	DATE	PREPARED BY	CHECKED BY	APPROVED BY
J	SEP,18,2006	LULU	陳建合	陳建合

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	PART NAME Magnetic Transducer	SHEET 2 OF 6

MODEL NO : OBO-1205A-D5

Features :Conformity RoHS Directive (2002/95/EC) Requests. ※2

1. General Specifications :

Items	Specification
※ Sound Pressure Level	82 dB min./10cm/DC 5.0V
Rated Voltage	DC 5.0V
Resonant Frequency	2048 ± 150 Hz
※ Rated Current	50 mA max./DC 5.0V
Coil Resistance	42 ± 5 Ω
Operating Voltage	DC 4 to 6 V
Housing Material	NORYL
Operating Temp. Range	-25°C to +70°C
Storage Temp Range	-30°C to +80°C
Weight	1.4 gms

※ Applying rated voltage/ Resonant Frequency , 1/2 duty Square wave

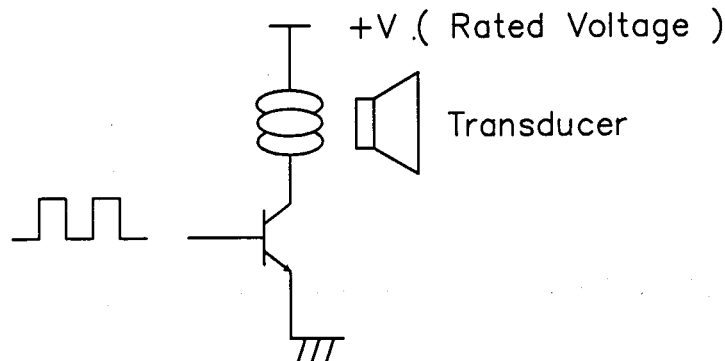
2. Recommended Driving Circuit:

Signal:

Resonant frequency, 1/2 duty cycle, square wave.

signal amplitude should be large enough to saturate

the transistor which drives the buzzer.

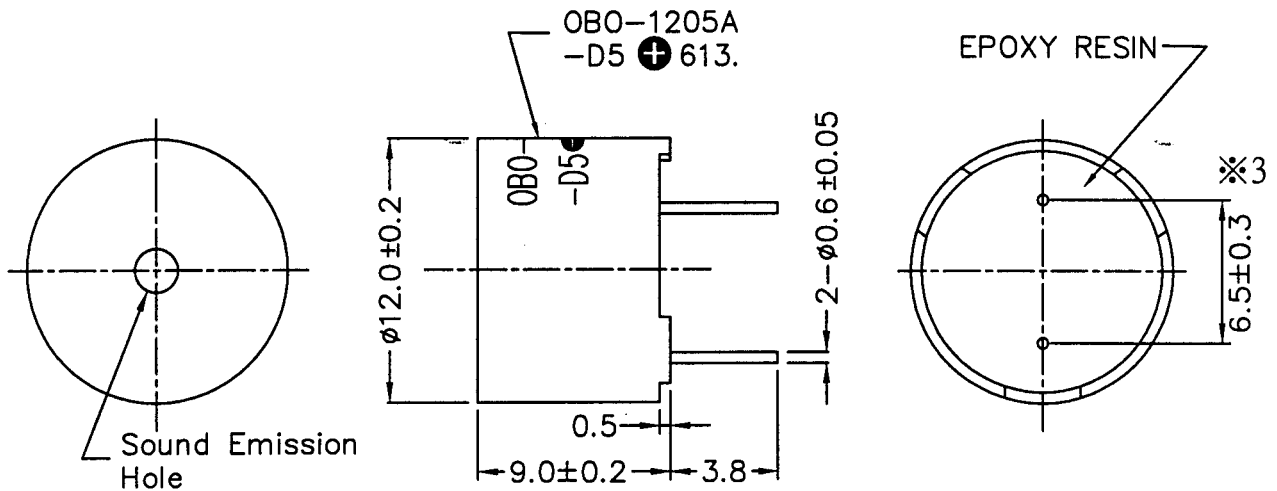


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3. Mechanical Layout and Dimensions :

3.1 Dimensions

Tolerance: ±0.5mm Unit: mm



Wave Solder And Wash Not Allowed

3.2 Meaning of Stamp Mark

613 : Production Period

6 : Year 2006 (last 1 figures of the year)

13 : Week (01~55)

4. Soldering Condition : ※2 ※3

4.1 Wave Soldering

Peak temperature	Dipping time	Soldering
+ 260°C	5 seconds	1 time

4.2 Hand Soldering

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

OBO Pro.2

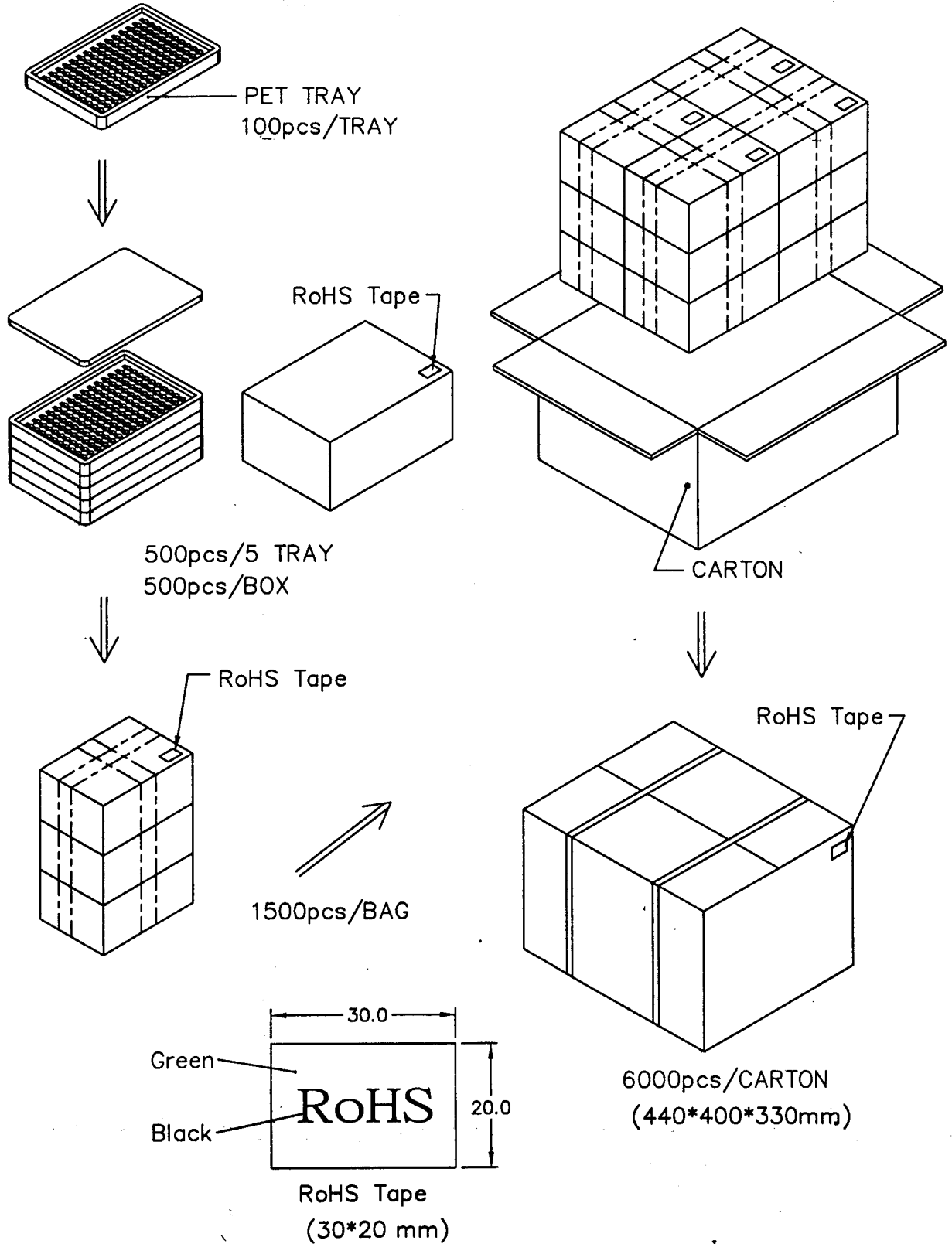
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OBO-1205A-D5

PART NAME
Magnetic Transducer

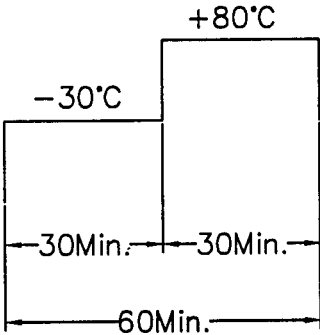
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5. Packing Information : ※1 ※2 ※4



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6. Reliability test : ※3

NO.	Items	Test Conditions	Evaluation Criteria
6.1	High Temp. Storage	The part shall be capable of withstanding a storage temperature of $+80\pm 2^{\circ}\text{C}$ for 96 hours.	After the test the part shall meet specifications without any degradation in appearance and performance
6.2	Low Temp. Storage	The part shall be capable of withstanding a storage temperature of $-30\pm 2^{\circ}\text{C}$ for 96 hours.	
6.3	Thermal Shock	<p>The part shall be subjected to 5 cycle. room temp. : 15 minutes</p>  <p style="text-align: center;"> -30°C $+80^{\circ}\text{C}$ </p>	
6.4	Humidity Test	$50\pm 5^{\circ}\text{C}$, $93(+2/-3)\%$ RH for 96 hours.	
6.5	Vibration	Make the test for the directions of X Y and Z (total 0.5 hours). sweep time (10 - 55 - 10Hz) under single amplitude of 1.0mm is 1 minute.	
6.6	Drop test	3 times from height of 70cm onto the surface of 10mm thick wooden board.	

Mode: SSR

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