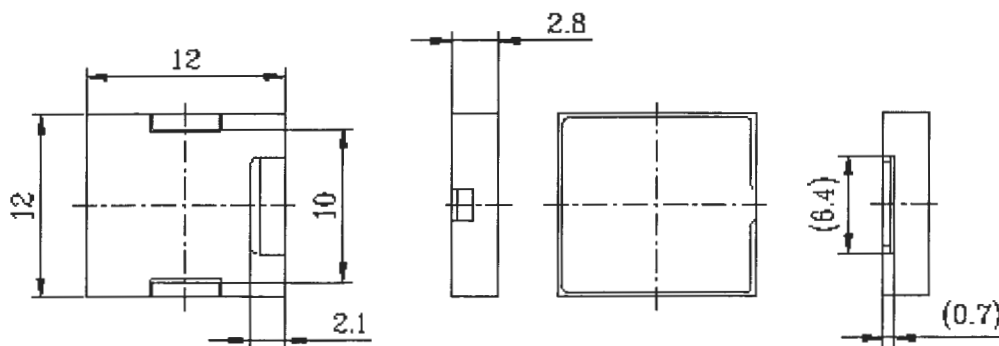


● Technical terms

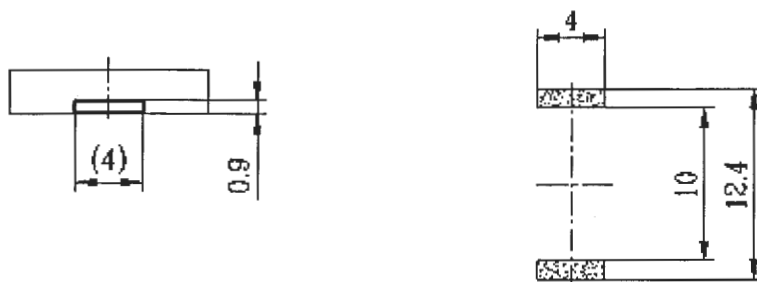
Type		BSP1203SM-25-T/R
Operating Voltage	(Vp-p)	1~25
*S.P.L at 10cm	(dB)	≥75dB
Capacitance at 1000Hz	(pF)	15000±30%
*Current	(mA)	≤3
Operating Temp.	(°C)	-40~+120
Storage Temp.	(°C)	-40~+120

* Value at 3Vp-p, square wave, 4.0kHz

This part is RoHS compliant




Recommendable Land Pattern



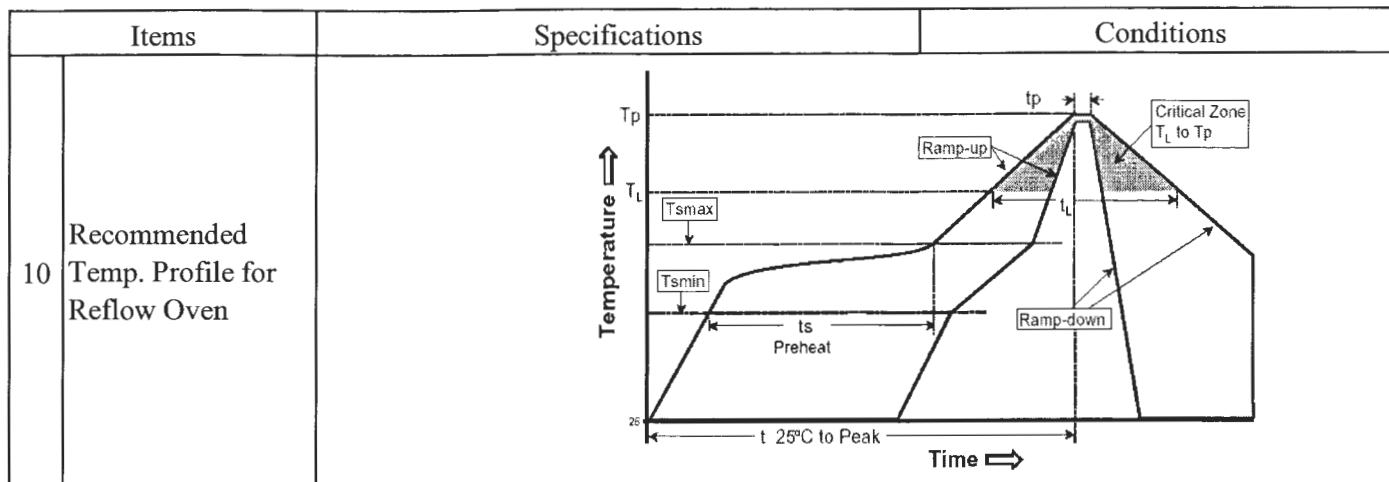
Tol : ±0.5

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				Designed by	Xun Honghua	
				Checked by	Ju Huashan	
				Division DR		
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Reliability test

Items		Specifications	Conditions	
1	High temp.storage life	The part shall be capable of withstanding a storage temperature of +120°C for 240hours.	After the test the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall be initial value±10dB	
2	Low temp.storage life	The part shall be capable of withstanding a storage temperature of -40°C for 240hours.		
3	Temperature cycle	total 5 cycles consisting of -40±2°C 30min 20±5°C 15min 120±2°C 30min 20±5°C 15min		
4	Humidity test	40±2°C,90~95%RH,240hours		
5	Vibration	The part shall be subjected to a vibration cycle of 10Hz to 55Hz to 10Hz in a period of 1 minute.Total peak amplitude shall be 1.52mm(9.3g).The vibration test shall consist of 2 hours per plane in each three mutually perpendicular planes for a total time		
6	Shock	Sounder shall be measured after being applied shock(980m/s ²)for each three mutually perpendicular directions to each of 3 times by half sine wave.		Ninety-five percent(95%)coverage with a continous coating of bright new solder
7	Solderability	The part leads(pins)shall be immersed in molten solder maintained at 235°C±5°C for a period of 2.0±0.5seconds		
8	Solder heat resistance	The part leads(pins)shall be immersed in molten solder maintained at 250°C±10°C for a period of 30seconds		After the test the part shall meet specifications without any degradation in appearance and performance
9	Lead pull	The part shall be pushed with a force of 9.8N for 10±1seconds behind the part 		After the test the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall be initial value±7dB

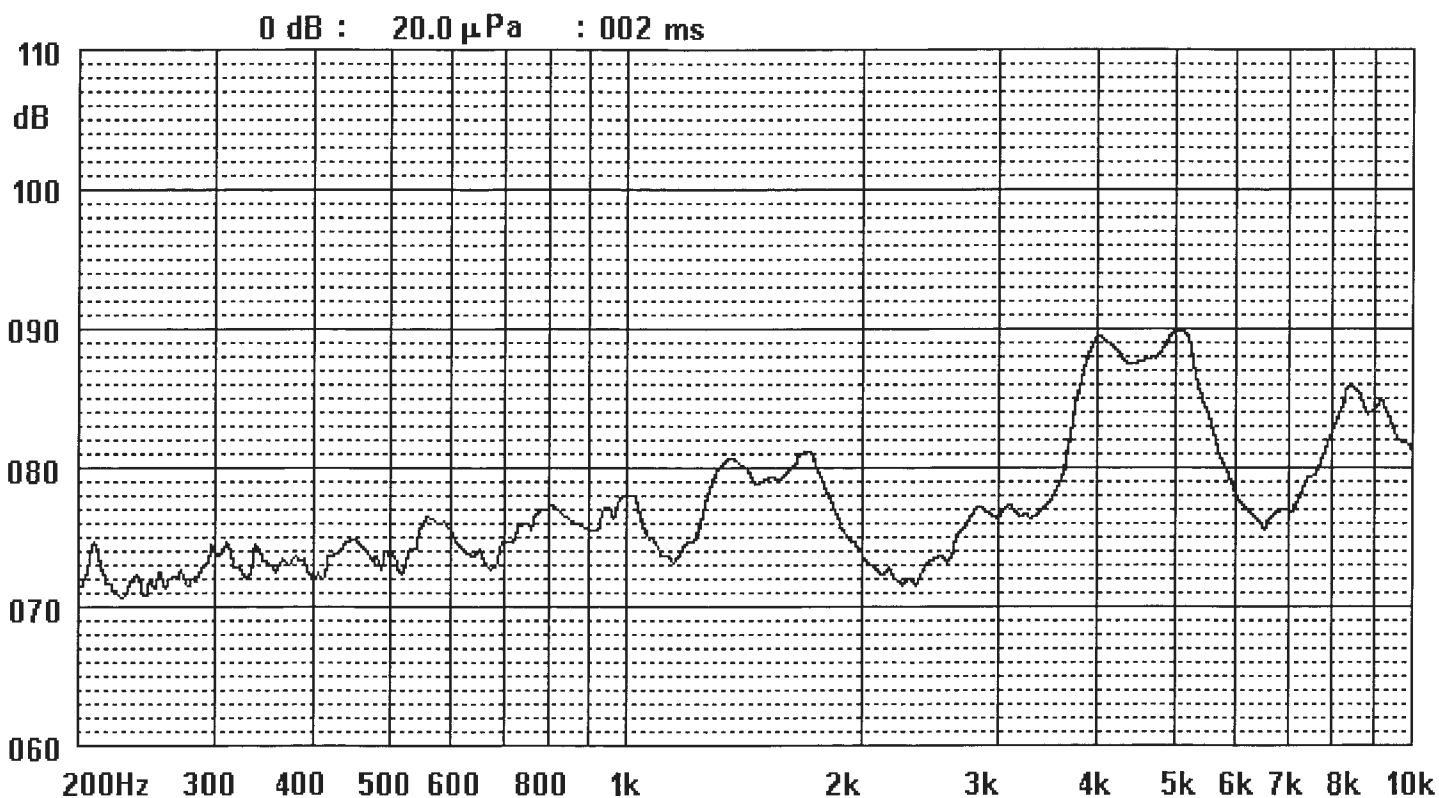
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Profile Feature	Pb-Free Assembly
Average ramp-up rate (T _L to T _p)	3°C/second max.
Preheat	
-Temperature Min(T _{smin})	150°C
-Temperature Min(T _{smax})	200°C
-Temperature Min(ts)	60 ~ 180 seconds
T_{smax} to T_L	
-Ramp-up Rate	3°C/second max.
Time maintained above:	
-Temperature(T _L)	217°C
-Time(T _L)	60 ~ 150 seconds
Peak Temperature(T_p)	250°C +0/-5°C
Time within 5°C of actual Peak Temperature (tp)	12 seconds max.
Ramp-down Rate	6°C/second max.
Time 25°C to Peak Temperature	8 minutes max.

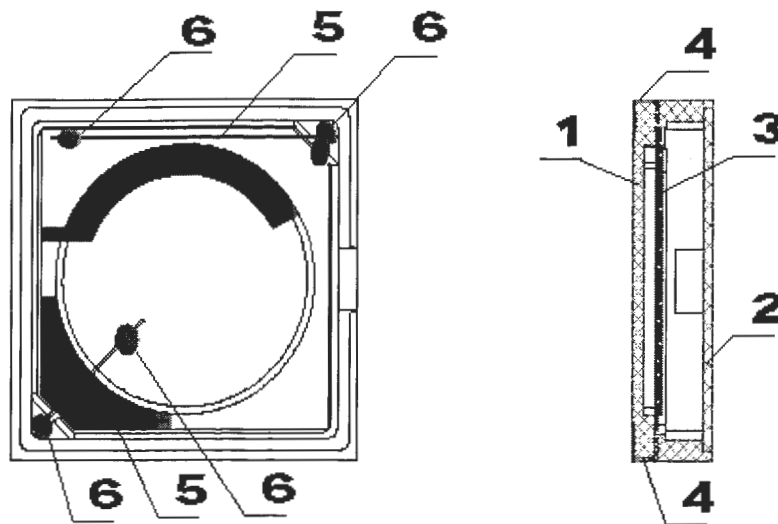
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Curve:



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Inside Structure



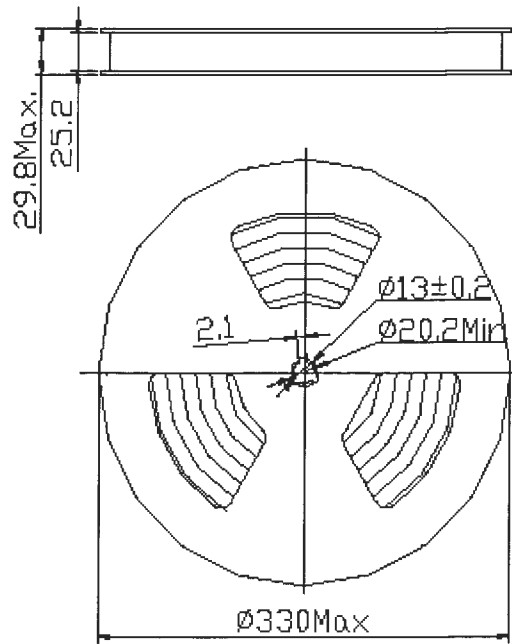
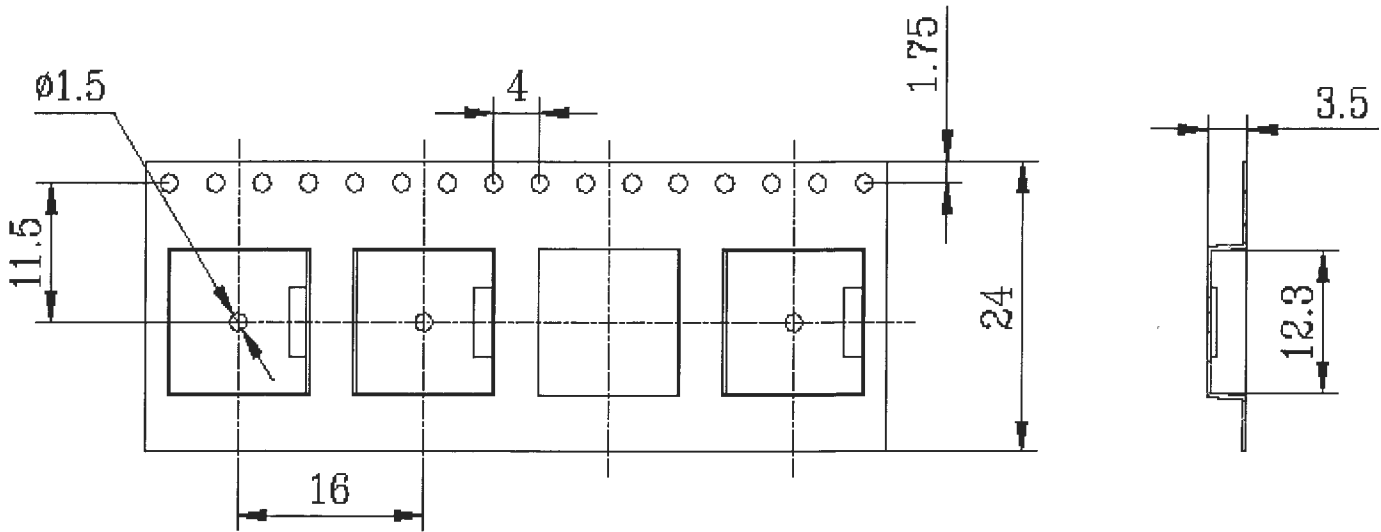
- 1. Housing
- 2. Cover
- 3. Piezo
- 4. Pin
- 5. Copper Wire
- 6. Silver Glue

Material List

Material Name	Supplier Name	Type
House	POLYPLASTICS (MADE IN TAIWAN)	LCP
Cover	POLYPLASTICS (MADE IN TAIWAN)	LCP
Piezo	ChangZhou AAC	FT-10H-6.3D12-H-G
Pin	Shanghai Ke Tai Copper Industry Co.,Ltd	H62
Copper Wire	ShenZhen Naafeng Shengbao Electronic Co.,LTD	Brass Wire
Silver Glue	Three Bond Co., Ltd.	3301F

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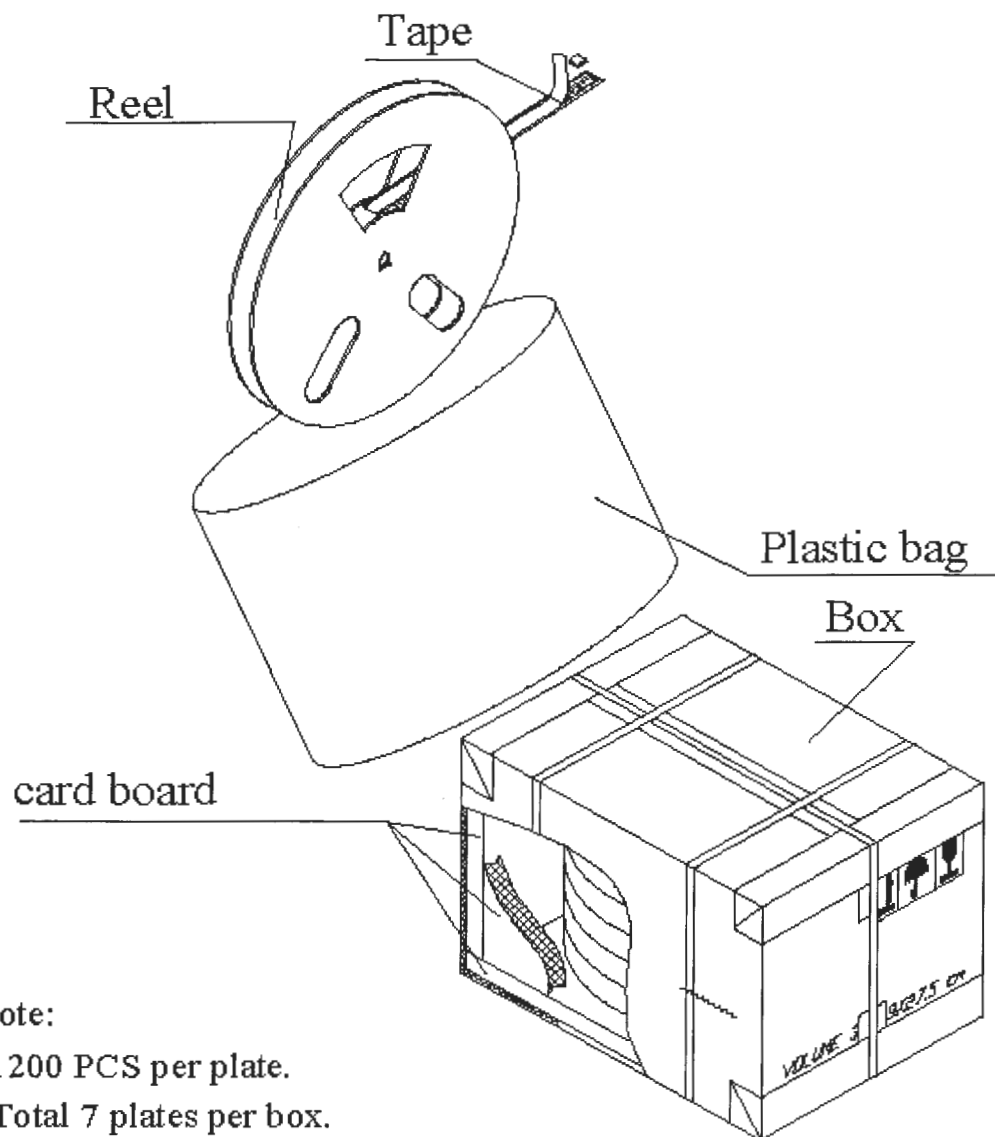
Packing:



1200 Pcs / 1 reel

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Packing:



Note:

1. 1200 PCS per plate.
2. Total 7 plates per box.
3. Total 8400 PCS per box.
4. The size of box :39 × 39 × 27.5cm

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