

MESSRS.

SPECIFICATION FOR APPROVAL

承 認 書

Product	MAGNETIC BUZZER
Part No.	AD-1004-BZ
Customer Approval	

Approved By	Checked By	Made By



ADVANCED ACOUSTIC TECHNOLOGY CORP.

苙 翔 科 技 股 份 有 限 公 司



4F, No.238, Sec. 6, Chung Shan N. Rd., Taipei, Taiwan, R.O.C.

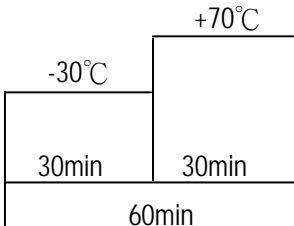
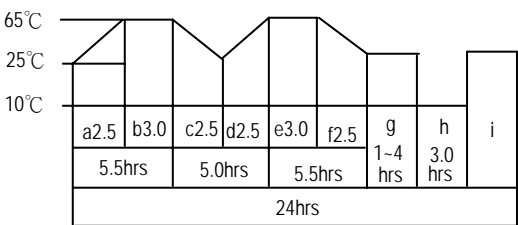
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Electro - mechanical audio transducers

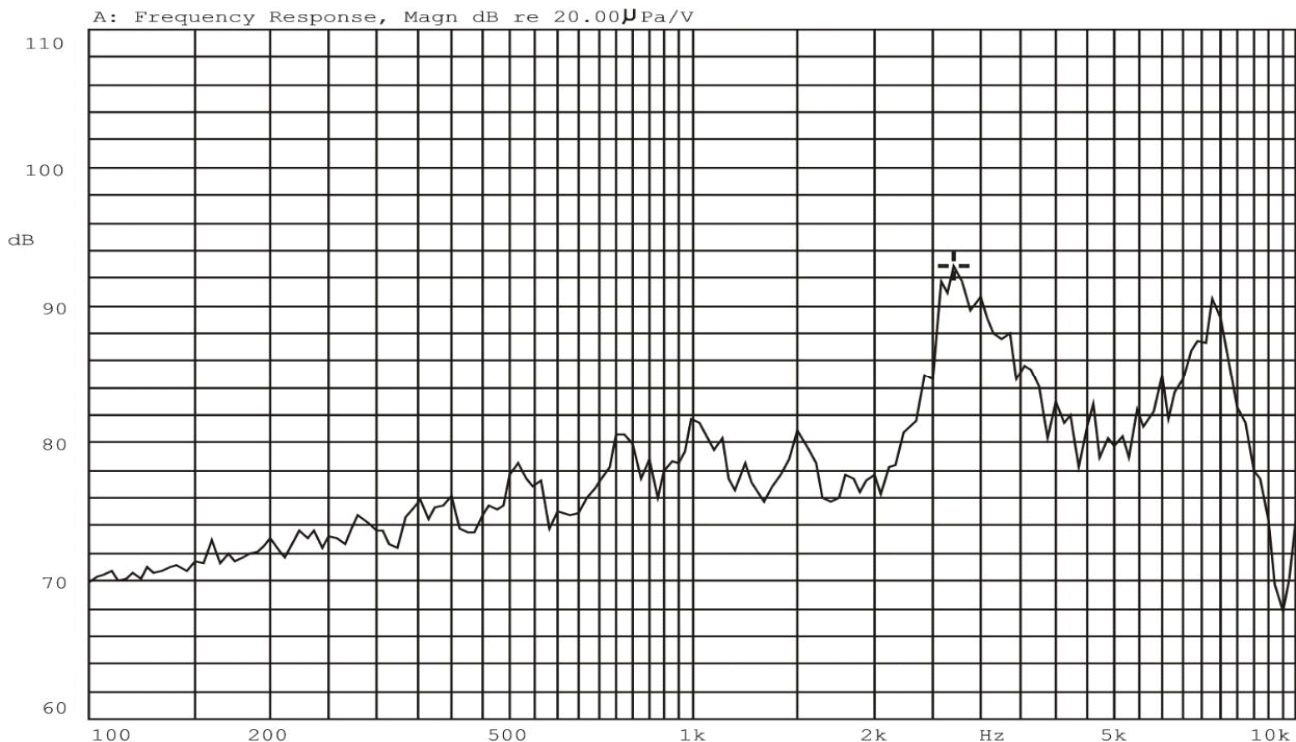
■ RELIABILITY

	Item	Test conditions	Evaluation standard
1	High temp storage life	The part shall be capable of withstanding the storage temperature of +70°C for 240 hours.	After the test, the part shall meet specifications without any degradation in appearance and performance except SPL . SPL shall be 78dB or more.
2	Low temp storage life	The part shall be capable of withstanding the storage temperature of -30°C for 240 hours.	
3	Temp cycle	The part shall be subjected to 5 cycles One cycle shall consist of 	
4	Temp / Humidity cycle	The part shall be subjected to 10cycles One cycle shall be 24 hours and consist of  <p>a,b,d,e,g,h,i : 90~98%RH c,f : 80~98%RH</p>	
5	Operating life	Driving the sounder at 25±10°C for 240hrs. Input 3.6Vp-p Squarewave 1/2duty 2700Hz.	
6	High temperature	The part shall be subjected to 240 hours at +60°C with 4.5V, 2700Hz applied.	
7	Low temperature	The part shall be subjected to 240 hours at -20°C with 2.5V, 2700Hz applied.	

Electro - mechanical audio transducers

8	Vibration	10~55Hz 1.5mm 55~150Hz 5G 10~200~10Hz 15minutes X,Y,Z, 3directions 2h/direction.	
9	Fixed drop	The part mounted on an exclusive fixture(115g) shall be dropped 5 times from a height of 152cm onto concrete in each of 6 different axes (total 30 times)	
10	Free drop	The part shall be dropped freely from a height of 100cm onto concrete 1 time in 6 axes. (total 6 times)	
11	Solderability	The part leads shall be immersed in molten solder maintained at $235\pm 5^{\circ}\text{C}$ for a period of 2.0 ± 0.5 seconds.	ninety-five percent (95%) coverage with a continuous coating of bright new solder
12	Strength of Terminal	It shall be more than 10N toward A direction in the state that 4 terminals are soldered on PCB.	Same as the items of No.1 to No.10

X:2.7200kHz *Y:92.86dB ZA:Live Curve SSR T. RMS

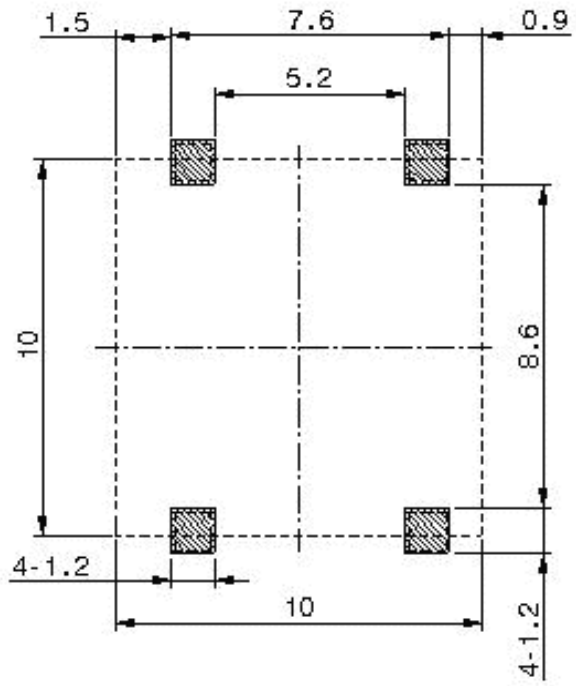


21-OCT-2000 11:00:29

Mode: SSR



Unit : mm



RECOMMENDED LAND PATTERN DIMENSIONS

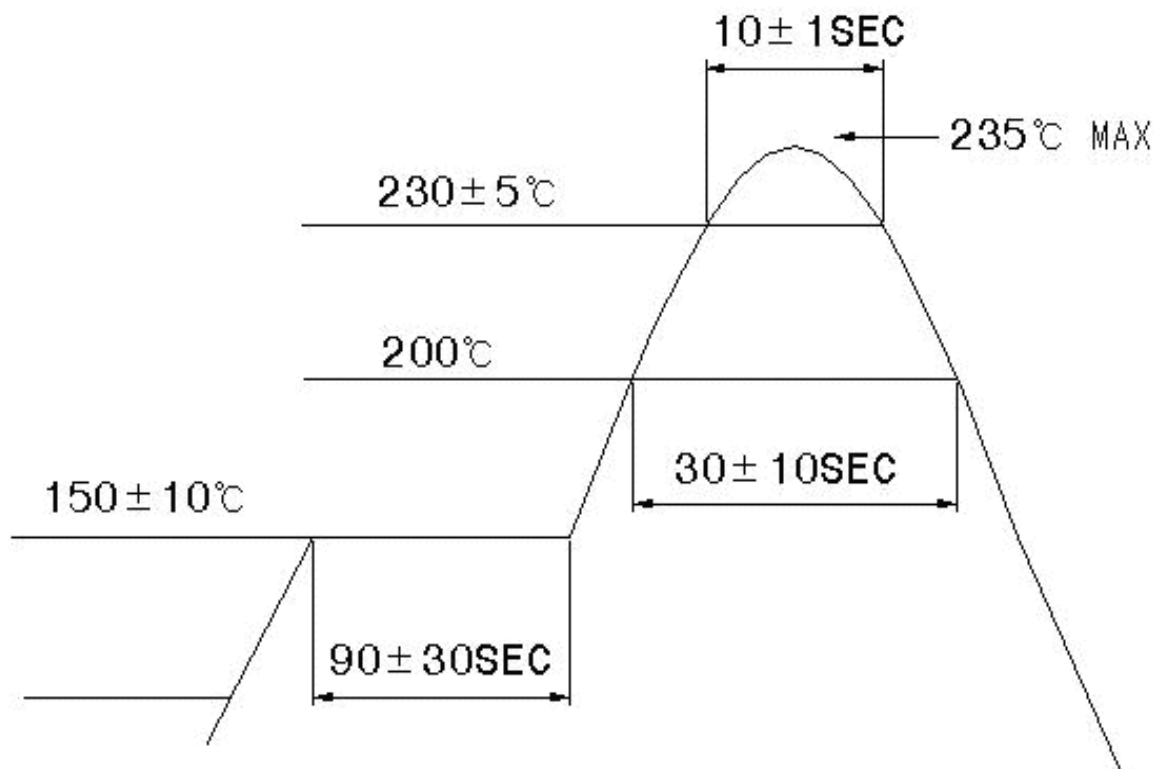
MODEL NO. : AD-1004-BZ

◎ SOLDERING PROFILE

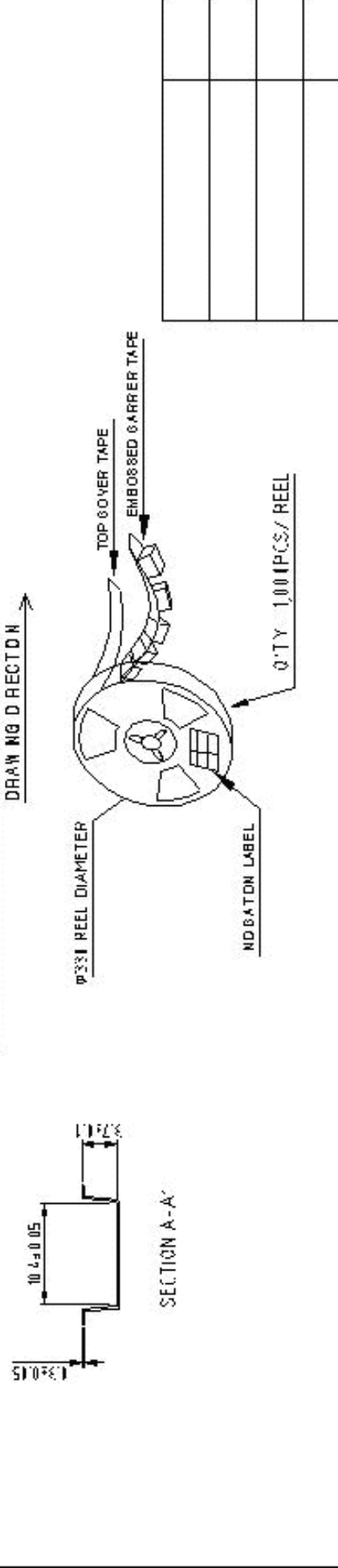
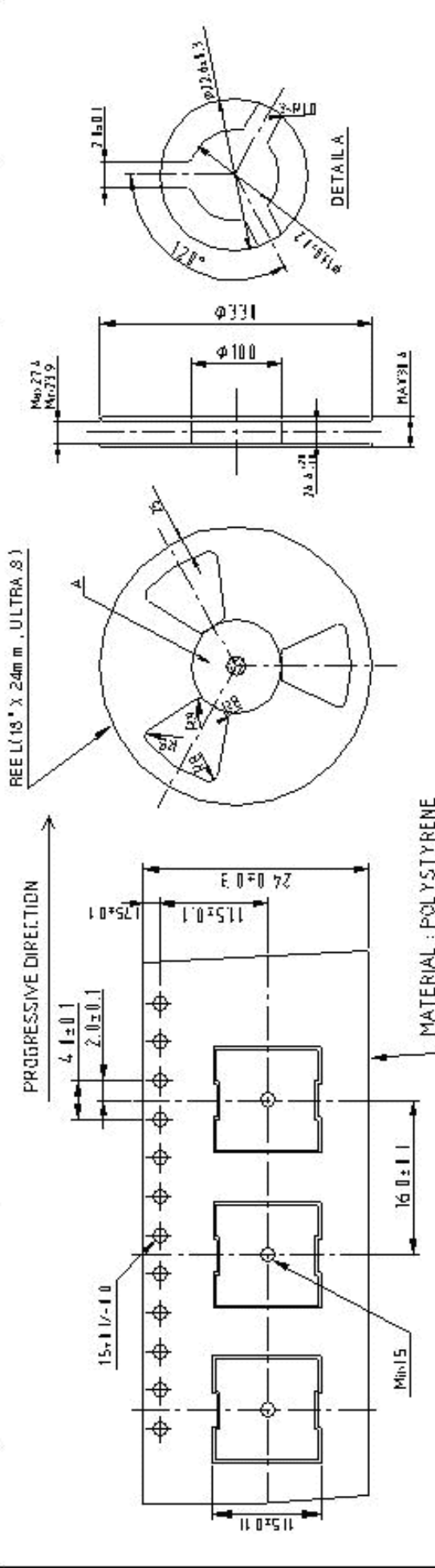
1. TERMINAL SOLDERING TEMPERATURE
: $235 \pm 5^\circ\text{C}$

2. SOLDERING TIME
: $2 \pm 0.5\text{SEC}$

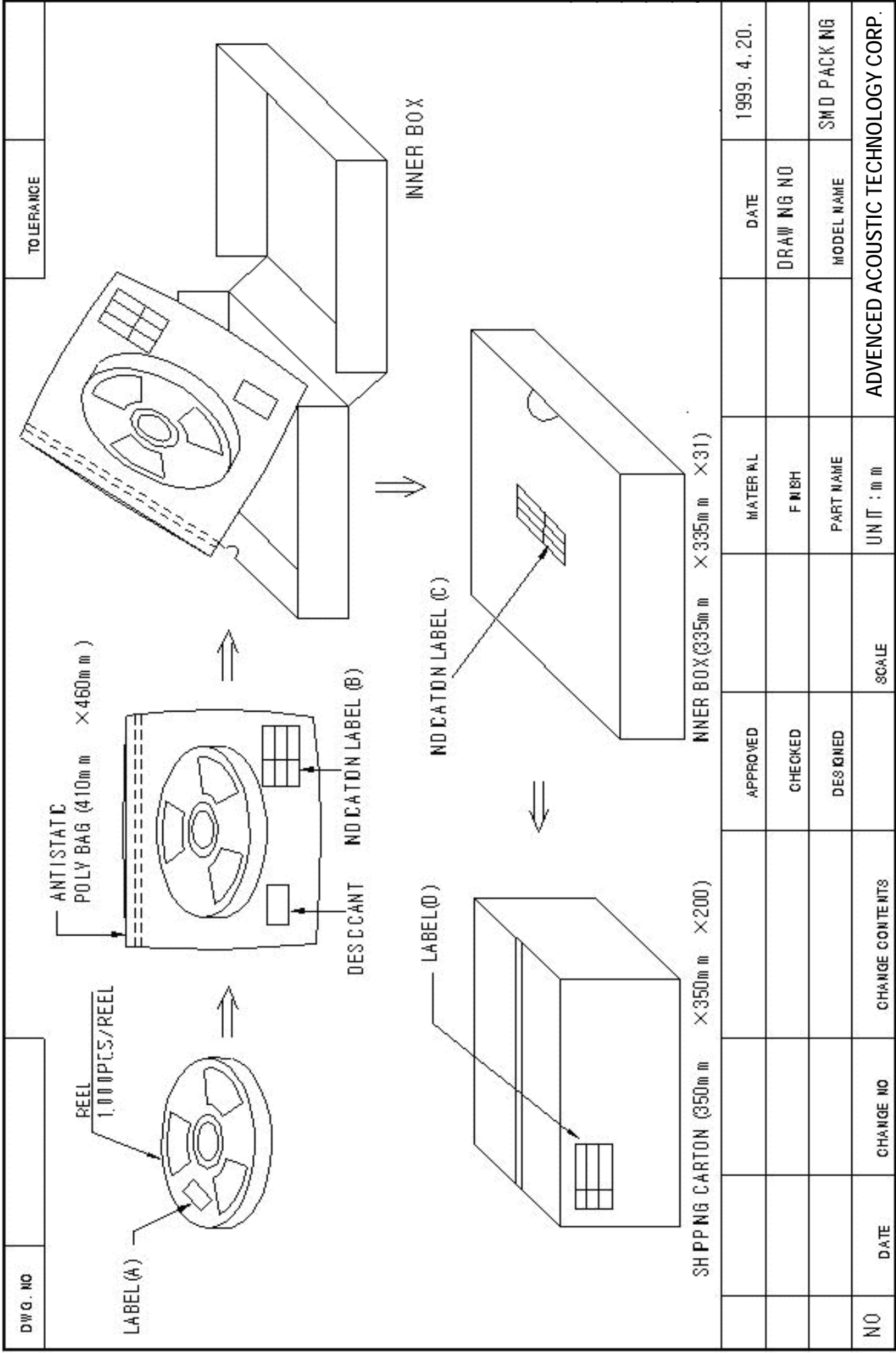
3. IR REFLOW OVEN TEMPERATURE PROFILE



DWG. NO. _____ TO LERANCE



APPROVED	MATERIAL	DATE	1999 3 15
CHECKED	FINISH	DRAWING NO	
DESIGNED	MODEL NAME	AD-1004-BZ	
CHANGE CONTENTS	UNIT : mm	ADVANCED ACOUSTIC TECHNOLOGY CORP.	
CHANGE NO	SCALE	NO	
DATE			

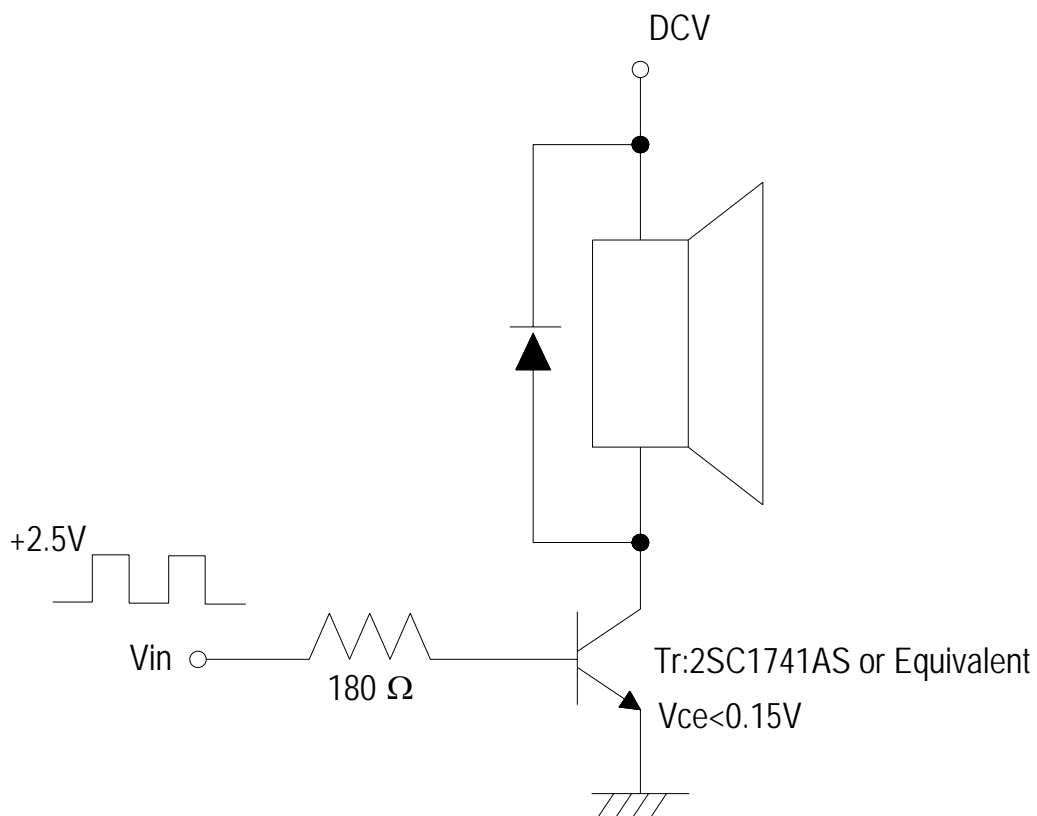


DWG. NO

TOLERANCE

NO	DATE	CHANGE NO	CHANGE CONTENTS	APPROVED	MATERIAL	DATE
				CHECKED	FINISH	1999. 4. 20.
				DESIGNED	PART NAME	DRAWING NO
					UNIT : mm	MODEL NAME
						SMD PACKING
ADVANCED ACOUSTIC TECHNOLOGY CORP.						

STANDARD DRIVE CIRCUIT



STANDARD TEST FIXTURE

