SPECIFICATION FOR APPROVAL

Product	MAGNETIC BUZZER
Part No.	AV-9004-DX
Customer	
Approval	

Approved By	Checked By	Made By



A & B Components

http://www.speaker-tw.com

AV-9004-DX

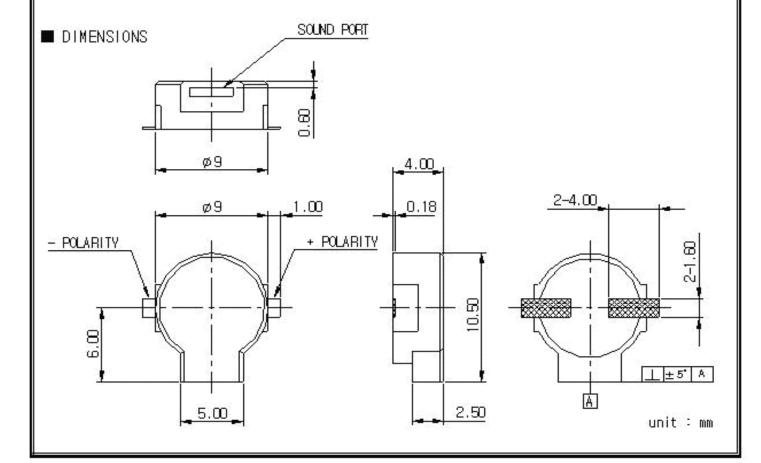
■ FEATURES

- Ultra Small (Ø9×h4)
- For reflow process
- Side sound port
- Tape and reel packing

■ SPECIFICATIONS

TYPE	UNIT	AV-9004-DX
Rated voltage	V P-P	3.6
Operating voltage	V P-P	2.5~4.5
Rated current	m A	Max 100
Coil resistance	Ω	16±3
Sound output at 10cm	dBA	Min 87(Typ 95)
Resonant frequency	Hz	3000
Operating temperature		-20 to +60
Storage temperature		-30 to +70
Weight	g	Max O.7

● Value applying rated voltage(3000 Hz,1/2 duty, square wave)



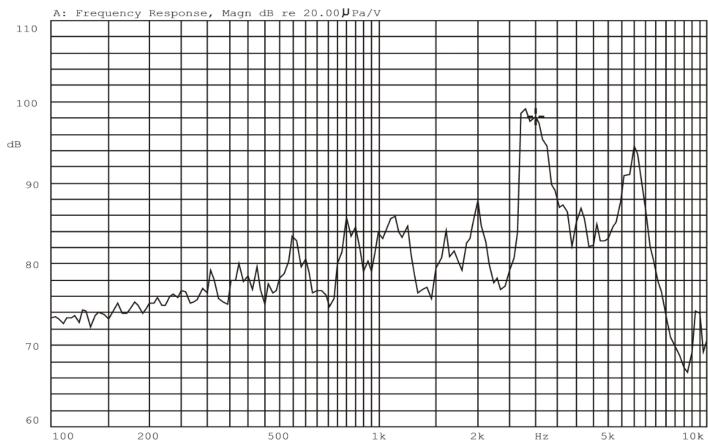
Electro - mechanical audio transducers

■ RELIABILITY

	Item	Test conditions	Evaluation standard
-		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.
2	DI Low temp storage life	The part shall be capable of withstanding the storage temperature of -30°C for 240 hours.	SPL shall be 78dB or more.
(1)	Temp cycle	The part shall be subjected to 5 cycles One cycle shall consist of	
		+85°C -40°C 30min 30min 60min	
2	Temp / Humidity cycle	The part shall be subjected to 10cycles One cycle shall be 24 hours and consist of	
		65°C 25°C 10°C a2.5 b3.0 c2.5 d2.5 e3.0 f2.5 g h i 5.5hrs 5.0hrs 5.5hrs hrs hrs 24hrs	
		a,b,d,e,g,h,i : 90~98%RH c,f : 80~98%RH	
Ę		Driving the sounder at 25±10°C for 240hrs input 3.6Vp-p Squarewave 1/2duty 3000Hz.	
ć	olHigh temperature	The part shall be subjected to 240 hours at +60°C with 4.5V, 3000Hz applied.	
- 7	Low temperature	The part shall be subjected to 240 hours at -20° with 2.5V, 3000Hz applied.	

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

X:3.0000kHz *Y:98.18dB ZA:Live Curve SSR T. RMS

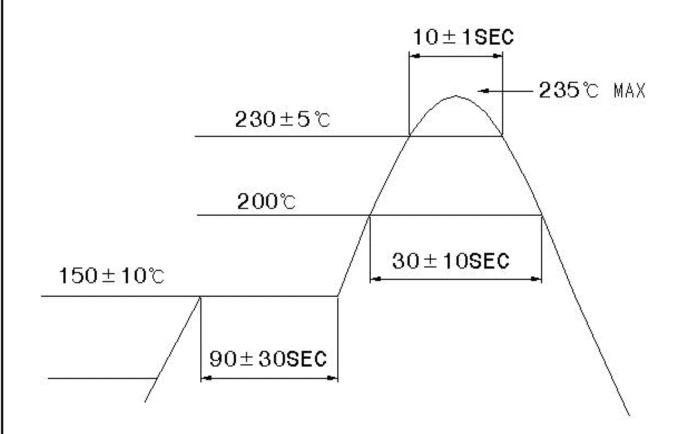


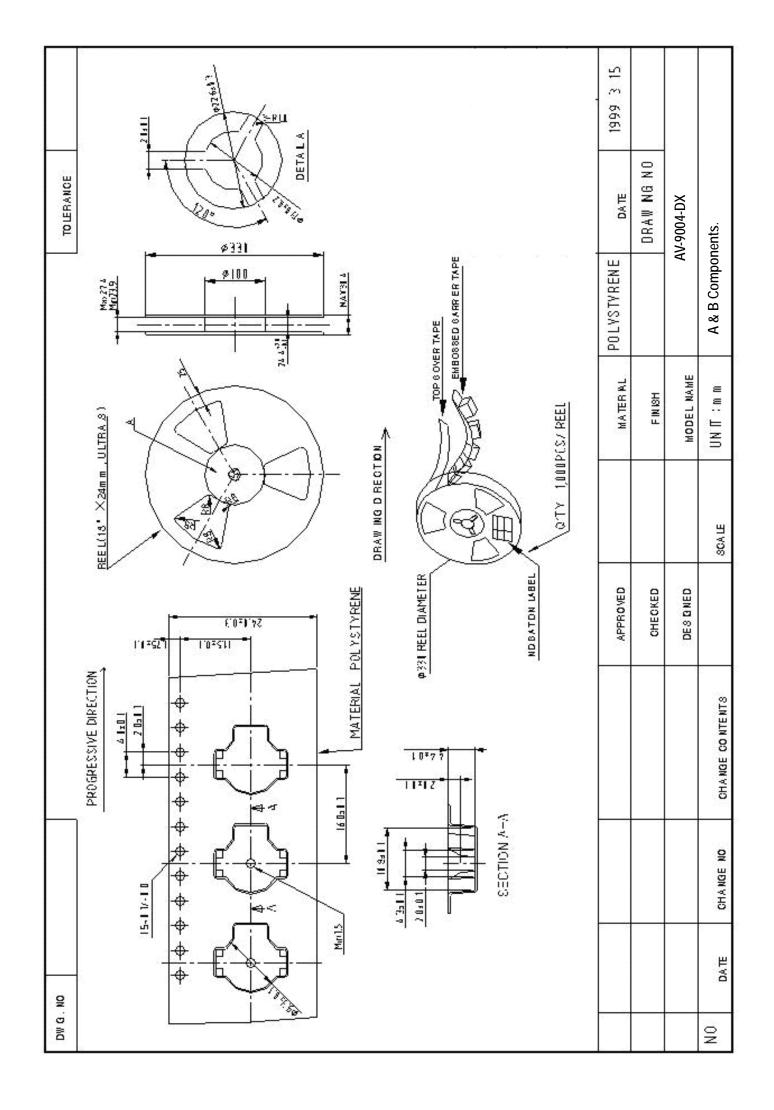
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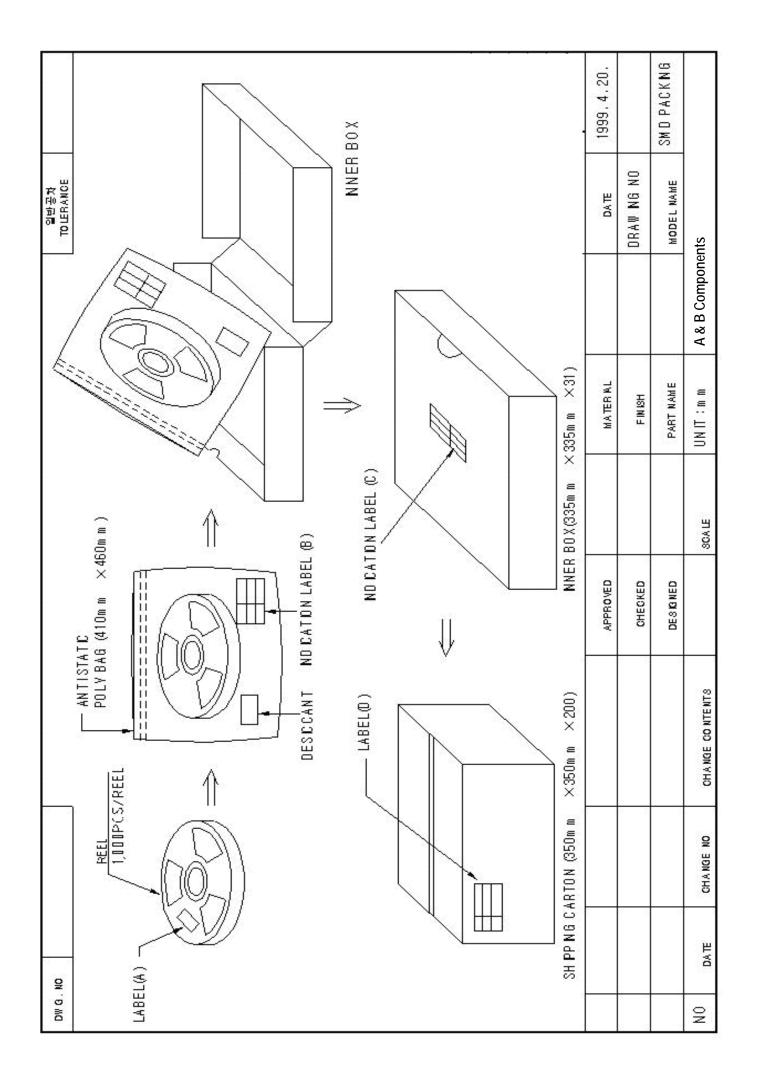


SOLDERING PROFILE

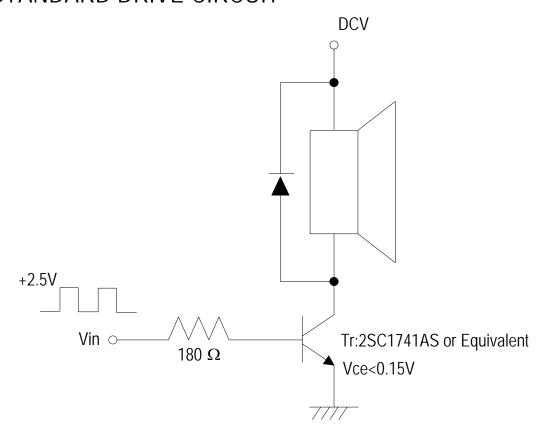
- 1.TERMINAL SOLDERING TEMPERATURE : 235±5℃
- 2.SOLDERING TIME : 2 ± 0.5SEC
- 3.IR REFLOW OVEN TEMPERATURE PROFILE







STANDARD DRIVE CIRCUIT



STANDARD TEST FIXTURE

