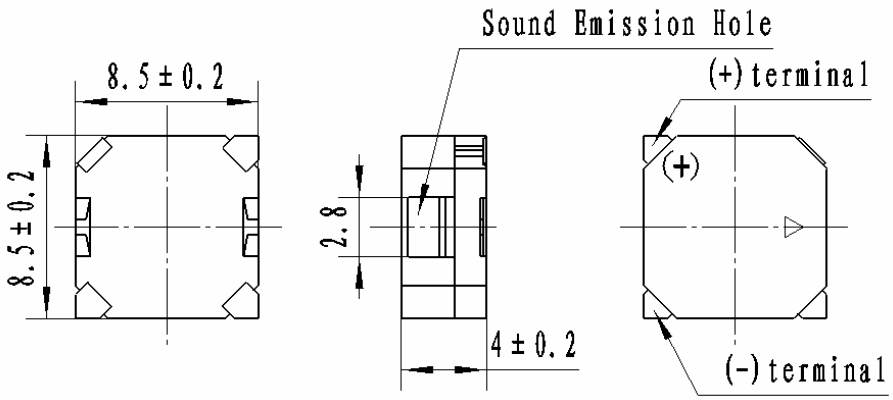
DWG. NO. BZ-3962-F REV. "-"

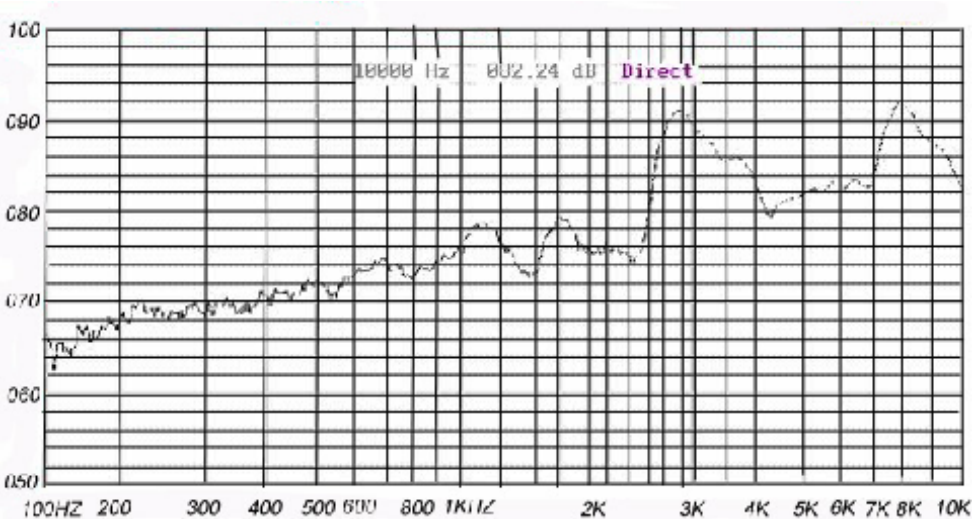
PART NO. DMT8505C-32ohm-NL



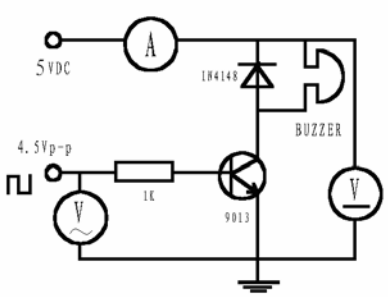
1	RATED VOLTAGE (V)	5
2	OPERATING VOLTAGE(V)	3~7
3	COIL RESISTANCE(Ω)	32±4
4	RESONANT FREQUENCY(Hz)	2700
5	*SOUND PRESSURE LEVEL(dB/min)	85 AT 10cm AT RATED VOLTAGE
6	*CURRENT CONSUMPTION(mA/max)	80 AT RATED VOLTAGE
7	OPERATING TEMPERATURE (°C)	-20~ +70°C
8	STORAGE TEMPERATURE(°C)	-30~+80
9	WEIGHT(g)	0.5
10	CASE MATERIAL AND COLOUR	LCP/BLACK

*APPLYING RATED VOLTAGE(RESONANT FREQUENCY, 1/2 DUTY, SQUARE WAVE)

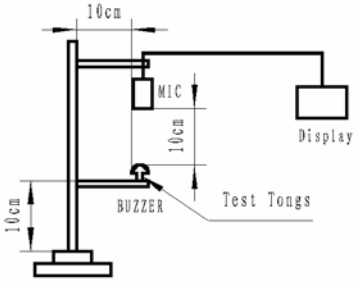
FREQUENCY RESPONSE:



TEST METHOD:



Test Circuit



Test Equips

NOTE: ALL DIMS ARE IN mm.

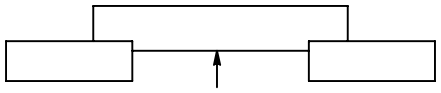
PROJECTION	RDI Research Develop Innovate RDI, Inc. 333 North Bedford Road, Suite 135, Mount Kisco, NY 10549				
SCALE N/A	TITLE SMT Audio Alert 5V (32 Ohm)/RoHS Compliant				
TOLERANCE EXCEPT AS NOTED	DR. Aris	DATE 07/30/10	REF. P/N:DMT8505C-32ohm-NL		SHEET 1 OF 3
DEC. INCHES N/A	CK. GM	PRE- BZ	DRAWING NO. 3962	SIZE F	REV. -
DEC. MILLIMETERS ±0.5	THIS DOCUMENT IS OWNED BY, AND THE INFORMATION CONTAINED IN IT IS PROPRIETARY TO, RDI, BY RECEIPT HEREOF THE HOLDER AGREES NOT TO USE THE INFORMATION AND NOT TO DISCLOSE IT TO ANY THIRD PARTY, NOR REPRODUCE THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF RDI, AND AGREES TO RETURN THIS DOCUMENT FORTHWITH UPON REQUEST.				
ANG. N/A					

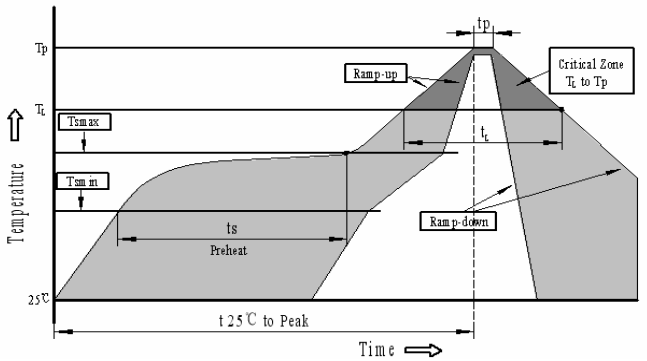
ECN#	DATE	SYM	REVISION RECORD	AUTH	BY

DWG. NO. BZ-3962-F REV. "-"

PART NO. DMT8505C-32ohm-NL

RELIABILTY TEST:

No.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	HIGH TEMP. STORAGE LIFE	THE PART SHALL BE CAPABLE OF WITHSTANDING A STORAGE TEMPERATURE IS +80°C FOR 120 HOURS	AFTER THE TEST THE PART SHALL MEET SPECIFICATIONS WHITHOUT ANY DEGRADATION IN APPEARANCE ADN PERFORMANCE EXCEPT SPL SHALL BE INITIAL VALUE±10dB OR MORE
2	LOW TEMP. STORAGE LIFE	THE PART SHALL BE CAPABLE OF WITHSTANDING A STORAGE TEMPERATURE IS -30°C FOR 120 HOURS	
3	TEMP.CYCLE	TOTAL 5 CYCLES 1 CYCLE CONSISTING OF -30±2, 30 MINUTES: 20±5°C 15 MINUTES, 80± 2°C 30 MINUTES, 20±5°C 15 MINUTES	
4	HUMIDITY TEST	30±2°C,90~95%RH, 120 HOURS	
5	VIBRATION TEST	THE PART SHALL BE SUBJECTED TO A VIBRATION CYCLE IS 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 OF 6 HOURS.	
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.	
7	DROP TEST	DROPPED NATURALLY FROM 700mm HEIGHT ONTO THE SURFACE OF 10mm THICK WOODEN BOARD. 2 DIRECTIONS-UPPER AND SIDE OF THE PART ARE TO BE APPLIED	
8	LEAD PULL	THE PART SHALL BE PUSHED WITH A FORCE OF 9.8N FOR 10±1 SECONDS BEHIND THE PART 	AFTER THE TEST PART SHALL MEET SPECIFICATIONS WITHOUT ANY DEGRADATION IN APPEARANCE AND PERFORMANCE
9	RECOMMENDED TEMP,PROFILE FOR REFLOW OVEN	SHOWN IN FIG.1	

10	RECOMMENDED TEMP. PROFILE FOR REFLOW OVEN	

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)	6 SECONDS MAX.
RAMP-DOWN RATE	6°C/SECOND MAX.
TIME 25°C TO PEAK TEMPERATURE	8 MINUTES MAX.

NOTE: ALL DIMS ARE IN mm.

ECN#	DATE	SYM	REVISION RECORD	AUTH	BY

PROJECTION

RDI Research Develop Innovate

RDI, Inc. 333 North Bedford Road, Suite 135, Mount Kisco, NY 10549

SCALE N/A

TITLE: SMT Audio Alert 5V (32 Ohm)/RoHS Compliant

TOLERANCE EXCEPT AS NOTED

DR. Aris | DATE 07/30/10 | REF. P/N: DMT8505C-32ohm-NL | SHEET 2 OF 3

DEC. INCHES N/A

CK. GM | PRE- BZ | DRAWING NO. 3962 | SIZE F | REV. -

DEC. MILLIMETERS N/A

ANG. N/A

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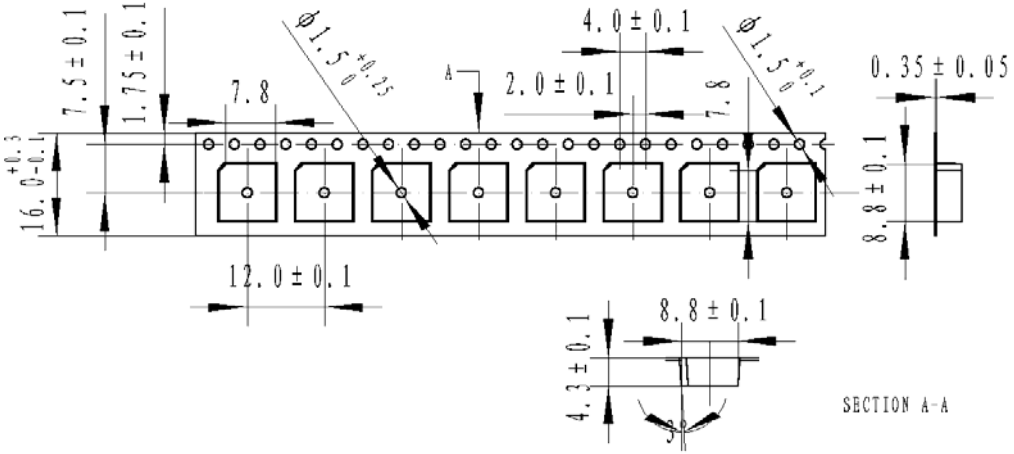
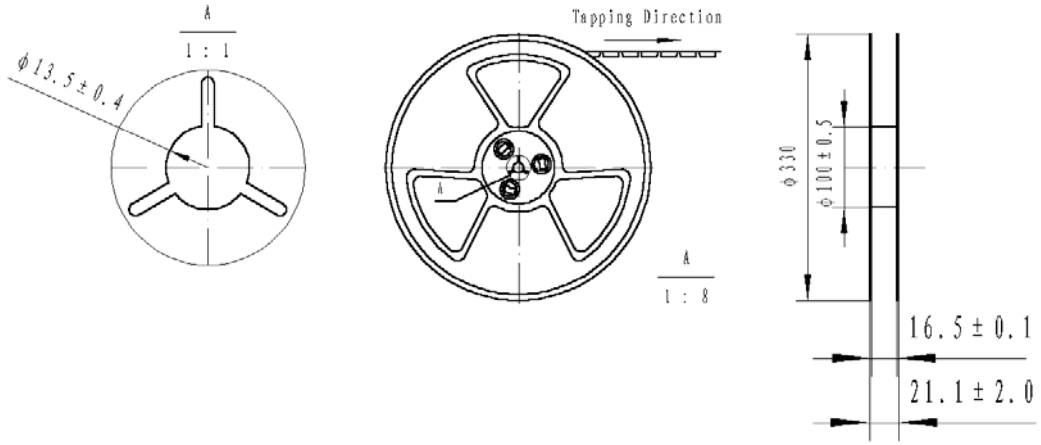
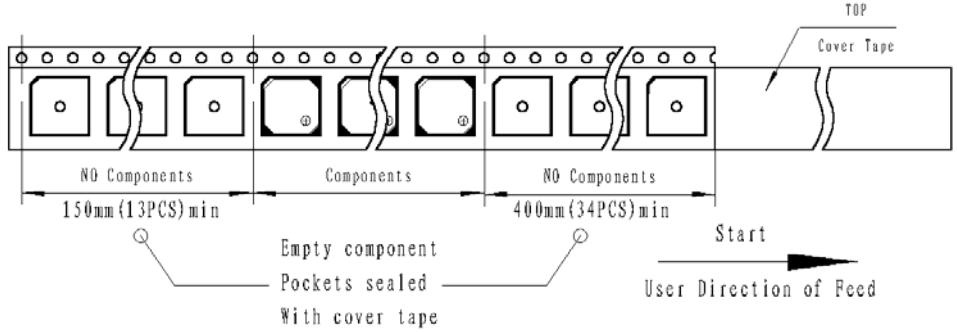
DWG. NO. BZ-37621-F REV. "-"

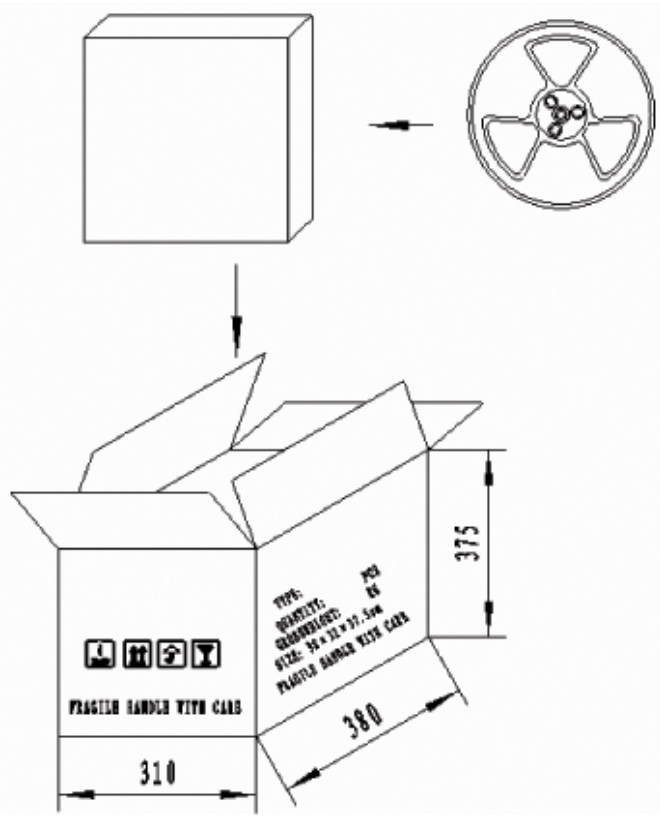
PART NO. DMT8505C-32ohm-NL

PACKING:









SPECIFICATION:
1. 1000PCS PER BOX
2. TOTAL 10 BOXES PER CARTTON
3. TOTAL 10000PCS CARTON

NOTE: ALL DIMS ARE IN mm.

ECN#	DATE	SYM	REVISION RECORD	AUTH	BY

PROJECTION	RDI Research Develop Innovate RDI, Inc. 333 North Bedford Road, Suite 135, Mount Kisco, NY 10549			
SCALE N/A	TITLE SMT Audio Alert 5V (32 Ohm)/RoHS Compliant			
TOLERANCE EXCEPT AS NOTED	DR. Aris	DATE 07/30/10	REF. P/N: DMT8505C-32ohm-NL	SHEET 3 OF 3
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ANG. N/A				