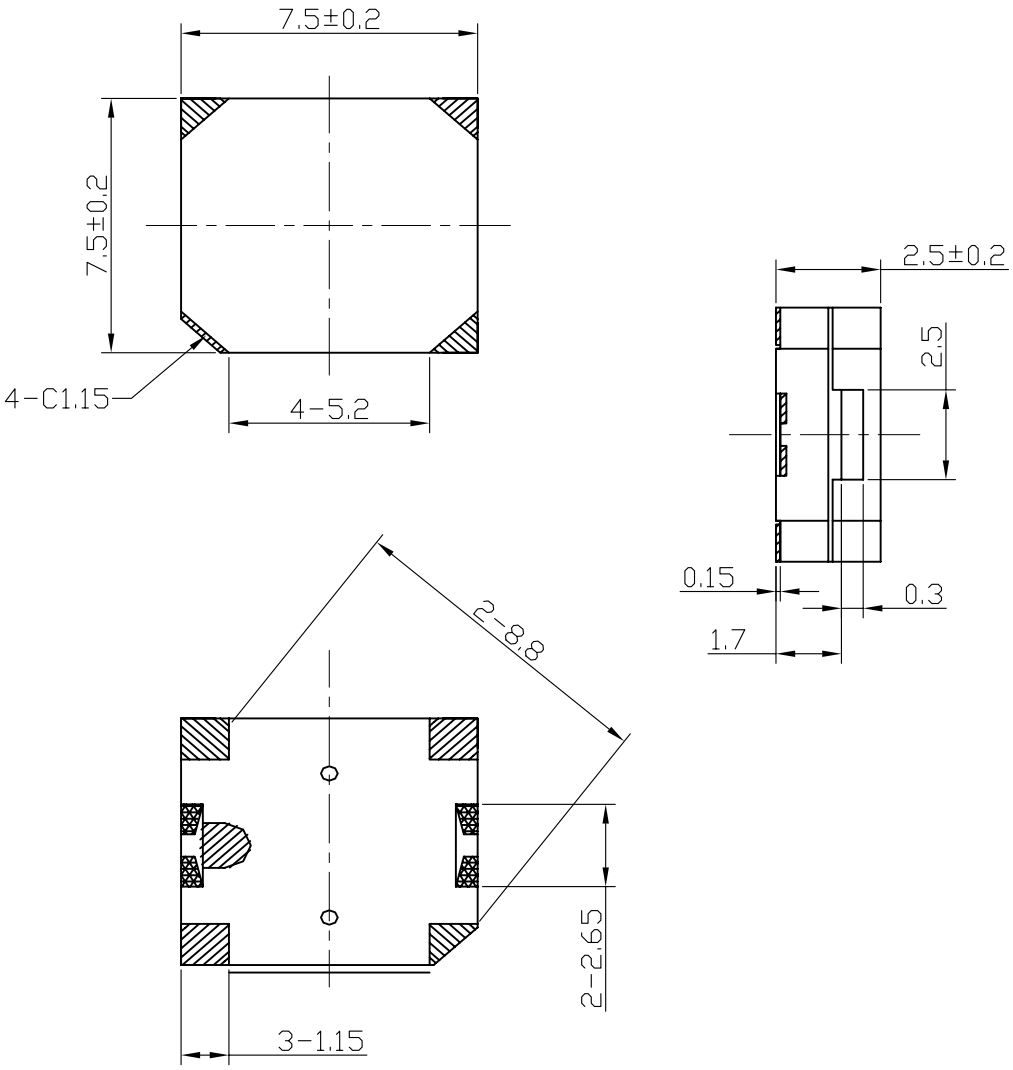
DWG. NO. BZ-2882-F REV. "-"

PART NO. DMT-7525-3V



■. FEATURES

- ◆ APPLICABLE TO REFLOW SOLDRING
- ◆ SMALL AND LOW PROFILE DESIGN
- ◆ SIDE OPENING FOR SOUND EMISSION
- ◆ HIGH SOUND PRESSURE LEVEL
- ◆ LOW FREQUENCY REPRODUCTION
- ◆ TAPE AND REEL PACKAGE

■. ELECTRICLA SPECIFICATIONS

ALL DATA AT 20℃ UNLESS OTHERWISE SPECIFIED

PARAMETER	SPECIFICATION	UNIT
RATED VOLTAGE	3.6	Vo-p
OPERATING VOLTAGE	2.0 ~ 5.0	Vo-p
COIL RESISTANCE	16 ±3	Ω
RESONANT FREQUENCY	2700	Hz
RATED CURRENT(MAX)	120	mA
SOUND PRESSURE LEVEL,@ 10cm	MIN. 85	dBA
TEMPERATURE RANGE OPERATING STORAGE	 -30℃ ~ 70℃ -40℃ ~ 85℃	℃
HOUSING MATERIAL	LCP	BLACK
MASS	MAX. 0.05	g

** VALUE APPLYING RATED VOLTAGE (Hz, 1/2DUTY, SQUARE WAVE ,PWM)

ALL DIMS ARE IN mm

ECN#	DATE	SYM	REVISION RECORD	AUTH	BY

PROJECTION

SCALE N/A

TOLERANCE EXCEPT AS NOTED

DEC. INCHES N/A

DEC. MILLIMETERS N/A

ANG. N/A

RDI Research Develop Innovate

RDI, Inc. 400 Columbus Avenue Valhalla, NY 10595

TITLE: AUDIO TRANSDUCER-SMT TYPE

DR.	DATE	REF.	SHEET
Jin	06/28/06	P/N: DMT-7525-3V	1 OF 2

CK.	PRE-	DRAWING NO.	SIZE	REV.
JY	BZ	2882	F	-

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.

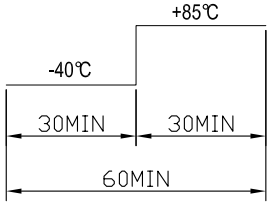
1. STANDRE STATE

NO	ITEM	TEST CONDITIONS	NOTES
1	TEMPERATURE	15 TO 35℃	
2	HUMIDITY	25 TO 85%	
3	AIR PRESSURE	860 TO 1060 hPa	

2. BASIC TEST CONDITION

NO	ITEM	TEST CONDITIONS	NOTES
1	TEMPERATURE	20 ±2℃	
2	HUMIDITY	60 TO 70%	
3	AIR PRESSURE	860 TO 1060 hPa	

3. RELIABILITY TEST

NO	ITEM	TEST CONDITIONS	EVALUATION STANDARD
1	HIGH TEMP. STORAGE	THE PART SHALL BE CAPABLE OF WITHSTANDING,A STORAGE TEMPERATURE OF +85℃ FOR 240HOURS	THE PART SHALL BE EXPOSED TO ROOM CONDITION FOR TWO HOURS AFTER THE TEST AND IT WILL MEET PART SPECIFICATIONS WITHOUT ANY DEGRADATION IN APPEARANCE AND PERFORMANCE EXCEPT SPL. SPL SHALL BE 85dB OR MORE.
2	LOW TEMP. STORAGE	THE PART SHALL BE CAPABLE OF WITHSTANDING A STORAGE TEMPERATURE OF -40℃ FOR 240HOURS.	
3	THERMAL SHOCK	THE PART SHALL BE SUBJECTED TO 32 CYCLES. ONE CYCLE SHALL CONSIST OF 	
4	HIGH TEMP. HIGH HUMIDITY	THE PART SHALL BE CAPABLE OF WITHSTANDING AT TEMPRATURE : 40 ±2℃, H.R : 93±3% DURATION : 96 HOURS	
5	OPERATING LIFE	ORDINARY TEMPERATURE THE PART SHALL BE SUBJECTED TO 240 HOURS AT ROOM-TEMPERATURE(25±10℃) WITH 3.6 V, 2,500Hz APPLIED. HIGH TEMPERATURE THE PART SHALL BE SUBJECTED TO 96 HOURS 85℃ WITH 3.6 V 2,700Hz APPLIED. LOW TEMPERATURE THE PART SHALL BE SUBJECTED TO 240 HOURS AT -40℃ WITH 3.6 V 2,700Hz APPLIED.	

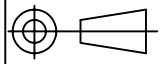
NO	ITEM	TEST CONDITIONS	EVALUATION STANDARD
6	VIBRATION	10-55Hz 1.5mm 55-150Hz 5G 10-150-100Hz 20 MINUTES X,Y,Z 3 DIRECYIONS 2H/DIRECYION.	
7	FIXED DROP	THE PART MOUNTED ON AN EXCLUSIVE FIXTURE (100g) SHALL BE DROPPED ONTO CONCRETE FROM 150cm HEIGHT 3 TIEMS IN 6 AXES. (TOTAL 18 TIMES)	
8	HAND SOLDER	IRON TIP TEMP : 300±10℃ DURATION : MAX. 3sec	

4. NOTES

AS THIS PRODUCT IS NOT PROTECTED FROM FOREIGN MATERIAL ENTERING, PLEASE MAKE SURE THAT ANY FOREIGN MATERIALS (e.g. MAGNETIC POWDER, WASHING SOLVENT, FLUX, DO NOT ENTER THIS PRODUCT IN YOUR PRODUCTION PROCESSES. THE FUNCTIONAL SPL DOWN) MAY OCCUR IF FOREIGN MATERIAL ENTER IT.

ECN#	DATE	SYM	REVISION RECORD	AUTH	BY

PROJECTION



SCALE N/A

TOLERANCE EXCEPT AS NOTED

DEC. INCHES N/A

DEC. MILLIMETERS N/A

ANG. N/A

RDI Research Develop Innovate

RDI, Inc. 400 Columbus Avenue Valhalla, NY 10595

TITLE: AUDIO TRANSDUCER-SMT TYPE

DR.	DATE	REF.	SHEET
Jin	06/28/06	P/N: DMT-7525-3V	2 OF 2

CK.	PRE-	DRAWING NO.	SIZE	REV.
JY	BZ	2882	F	-

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.