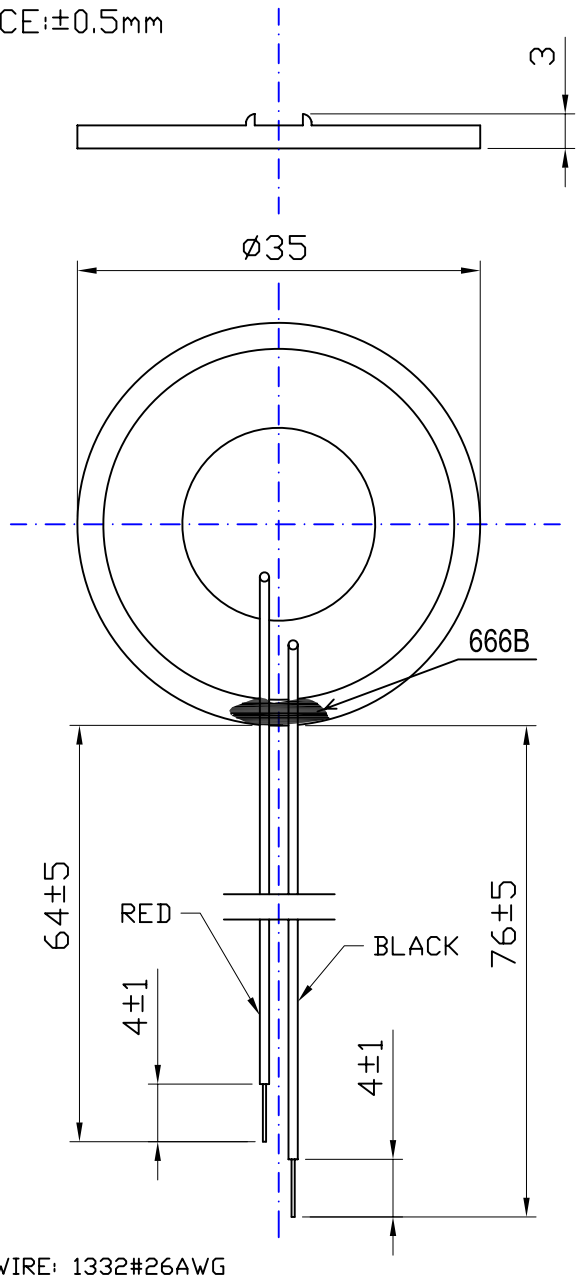
DWG. NO. BZ-4449-F REV. "A"

PART NO.: REP-3514-TF-NL

TOLERANCE:±0.5mm
UNIT: mm



WIRE: 1332#26AWG

Scope: This specification is only used for piezo buzzer		
No.	ITEMS	SPECIFICATIONS
1	Rated Voltage	12VP-P Square Wave
2	Max.Rated Voltage	30VP-P Square Wave
3	Max.Rated Current	10mA/1.3KHz/12Vp-p Square Wave
4	Sound Pressure Level	75dB/1.3KHz/12Vp-p Square Wave /10cm
5	Resonant Frequency	1.3±0.5 KHz
6	Capacitance at 120Hz	50,000pF±30%
7	Operating Temperature	-20～+60℃
8	Store Temperature	-30～+70℃
9	Weight	5g

ECN#	DATE	SYM	REVISION RECORD	AUTH	BY
14-106	09/25/14	A	REVISE THE SPECIFICATION AND ADD THE MATERIAL LIST	MD	Tina

PROJECTION

RDI Research Develop Innovate

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

SCALE FULL

TITLE Piezo Buzzer with wire leads, Rohs Compliant

TOLERANCE EXCEPT AS NOTED

DR. Tina | DATE 07/31/13 | REF. P/N: REP-3514-TF-NL | SHEE 1 OF 2

DEC. INCHES N/A

CK. MD | PRE- BZ | DRAWING NO. 4449 | SIZE F | REV. A

DEC. MILLIMETERS ±0.25

ANG. ±3°

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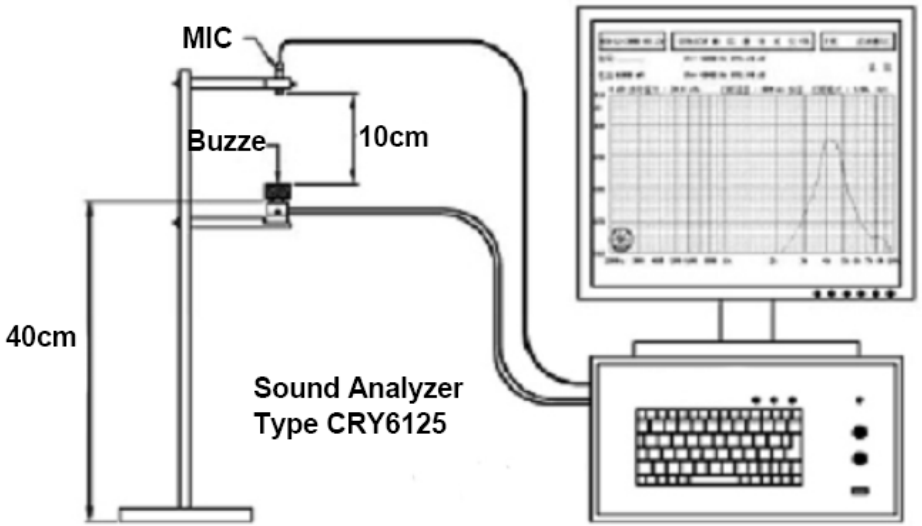
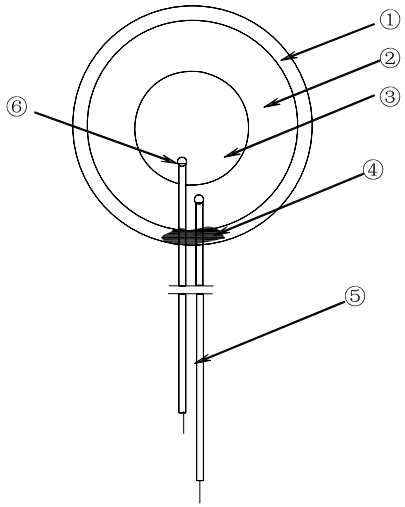
DWG. NO. BZ-4449-F REV. "A"

PART NO.: REP-3514-TF-NL

MEASUREMENT METHOD

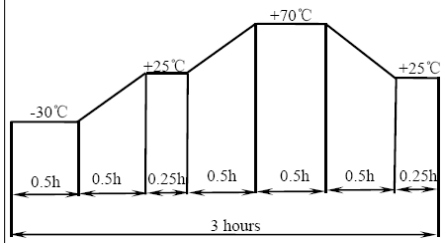


LIST AND STRUCTURE OF MATERIALS



No.	Part name	Material Type	Note
1	Housing	ABS	
2	Substrate	Copper	
3	Piezoelectric	Lead oxide,titanium oxide,etc	RoHS exempt
4	Gluewater	666B	
5	Wire	1332#26AWG	

RELIABLY TEST

No.	ITEM	TESTING CONDITION	EVALUATION STANDARD
1	HIGH TEMP TEST	After being placed in a chamber at 70℃ for 96 hours	The value of oscillation frequency/current consumption should ±10% compared with initial ones. The SPL should be in ± 10dB compared with initial One.
2	LOW TEMP TEST	After being placed in a chamber at -20℃ for 96 hours	
3		After being placed in a chamber +40℃ and 90±5% relative Humidity for 96 hours	
4	TEMP CYCLE TEST	The part shall be subjected to 5 cycles.One cycle shall be consist of 	
5	VIBRATION	Buzzer shall be measured after being applied vibration of Amplitude of 1.5mm with 10 to 55hz band of vibration frequency to each of 3 per-pendicuiar directions for 2 hours	
6	DROP TEST	The part only shall be dropped from a height of 70cm onto a 10mm thick wooden board 3 times in 3 axes(X.Y.Z).(a total of 9 times).	

TESR CONDITION

Standard Test Condition ： a)Temperature:+5~35℃ b)Humidity:45~85% c)Pressure:860~1060 mbar
Judgement Test Condition： a)Temperature:25±2℃ b)Humidity:60~70% c)Pressure:860~1060 mbar

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PROJECTION

SCALE FULL

TOLERANCE EXCEPT AS NOTED

DEC. INCHES N/A

DEC. MILLIMETERS ±0.25

ANG. ±3°

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TITLE Piezo Buzzer with wire leads, Rohs Compliant

DR.	DATE	REF.	SHEET
Tina	07/31/13	P/N: REP-3514-TF-NL	2 OF 2

CK.	PRE-	DRAWING NO.	SIZE	REV.
MD	BZ	4449	F	A

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