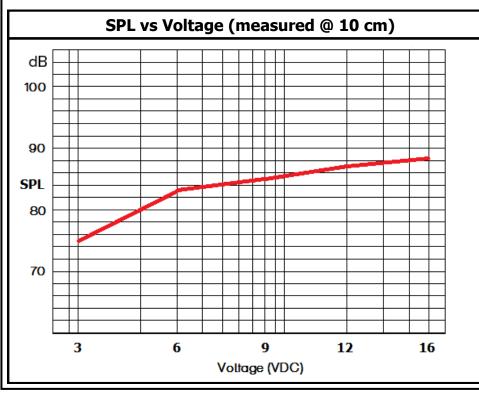


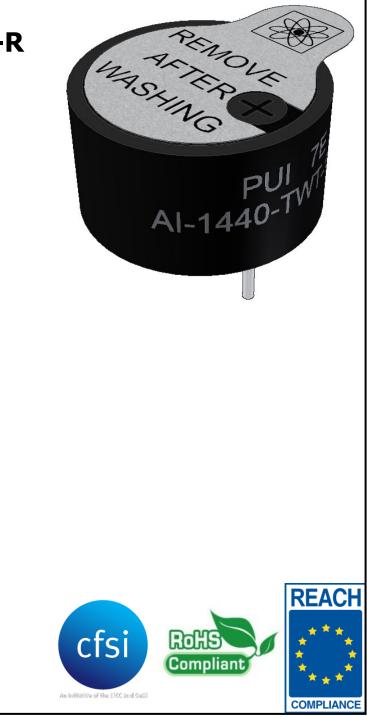
## AI-1440-TWT-12V-R 14mm Indicator

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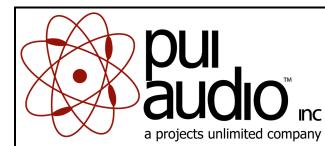
#### **Product Overview**

- 14mm diameter, 3-16 VDC self-drive indicator
- 80 dBA minimum output (12 VDC @ 10 cm) and 4 kHz continuous tone
- Noryl<sup>™</sup> housing withstands Wave soldering temperatures
- Removable wash tag preserves performance



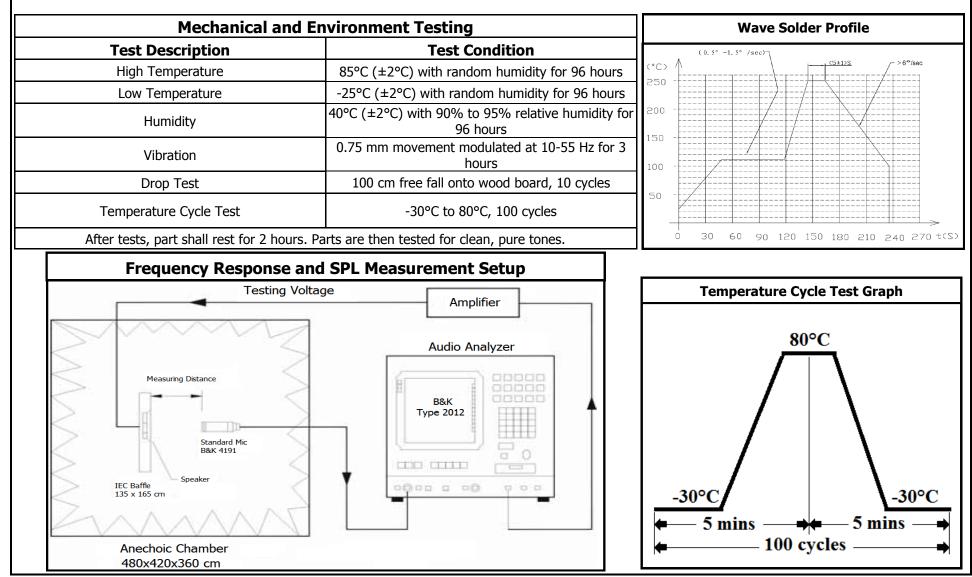


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# AI-1440-TWT-12V-R

### **14mm Indicator**



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RATED VOLTAGE OPERATING VOLTAGE RANGE RATED CURRENT (MAX) MINIMUM SPL @ 10 CM RESONANT FREQUENCY 4 TONE OR PULSE RATE CO OPERATING TEMPERATURE STORAGE TEMPERATURE HOUSING MATERIAL SI TERMINAL MATERIAL SI	VALUES           12           3 ~ 16           7           80           4,000 ± 500           ONTINUOUS           0.00 + 700           -30 ~ +80           NORYL           Sn PLATED           ED COPPER	UNITS Vdc Vdc mA dBA Hz pulse /second °C °C - -	THIS DOCUMENT CONTAINS DATA PROPRIETARY TC PROJECTS UNLIMITED, INC. ANY USE OR REPRODUCTION, IN ANY FORM, WITHOUT PRIOR WRITTEN PERMISSION OF PROJECTS UNLIMITED, INC. IS PROHIBITED. ©2003, Projects Unlimited Inc.	LTR - A B C D	REVISION HISTORY DESCRIPTION RELEASED FROM ENGINEERING REVISED RoHS STATEMENT REVISED DIMENSION SIZE AND STYLE REVISED TERMINAL MATERIAL REVISED TO INVENTOR 3-D DRAWING TEMPLATE	DATE 8/19/2004 5/27/2005 11/28/2005 3/20/2006 10/9/2007	APPROVED B.R. B.R. B.R. B.R.
RATED VOLTAGE OPERATING VOLTAGE RANGE RATED CURRENT (MAX) MINIMUM SPL @ 10 CM RESONANT FREQUENCY 4. TONE OR PULSE RATE CO OPERATING TEMPERATURE STORAGE TEMPERATURE HOUSING MATERIAL SI REMINAL MATERIAL REMINAL MATERIAL REMINAL MATERIAL REMINAL MATERIAL REMINAL MATERIAL CO OPERATINAL MATERIAL REMINAL MATERIAL CO OPERATING CO OPERATI	12           3 ~ 16           7           80           4,000 ± 500           ONTINUOUS           0 p           -20 ~ +70           -30 ~ +80           NORYL           Sn PLATED           ED COPPER	Vdc Vdc mA dBA Hz pulse /second °C	WRITTEN PERMISSION OF PROJECTS UNLIMITED, INC. IS PROHIBITED.	- A B C	RELEASED FROM ENGINEERING REVISED RoHS STATEMENT REVISED DIMENSION SIZE AND STYLE REVISED TERMINAL MATERIAL	8/19/2004 5/27/2005 11/28/2005 3/20/2006	B.R. B.R. B.R.
OPERATING VOLTAGE RANGE         RATED CURRENT (MAX)         MINIMUM SPL @ 10 CM         RESONANT FREQUENCY       4         TONE OR PULSE RATE       CO         OPERATING TEMPERATURE       STORAGE TEMPERATURE         HOUSING MATERIAL       SI         TERMINAL MATERIAL       SI	3 ~ 16 7 80 4,000 ± 500 ONTINUOUS 0 p -20 ~ +70 -30 ~ +80 NORYL Sn PLATED ED COPPER	Vdc mA dBA Hz pulse /second °C		A B C	REVISED RoHS STATEMENT REVISED DIMENSION SIZE AND STYLE REVISED TERMINAL MATERIAL	5/27/2005 11/28/2005 3/20/2006	B.R. B.R.
RATED CURRENT (MAX) MINIMUM SPL @ 10 CM RESONANT FREQUENCY 4 FONE OR PULSE RATE CO DPERATING TEMPERATURE - STORAGE TEMPERATURE - HOUSING MATERIAL SI RERMINAL MATERIAL RE	7         80           4,000 ± 500         0 p           ONTINUOUS         0 p           -20 ~ +70         -30 ~ +80           -30 ~ +80         NORYL           Sn PLATED         ED COPPER	mA dBA Hz pulse /second °C		B C	REVISED DIMENSION SIZE AND STYLE REVISED TERMINAL MATERIAL	11/28/2005 3/20/2006	B.R. B.R.
MINIMUM SPL @ 10 CM RESONANT FREQUENCY 4 FONE OR PULSE RATE CO OPERATING TEMPERATURE STORAGE TEMPERATURE HOUSING MATERIAL FERMINAL MATERIAL RE	80           4,000 ± 500           ONTINUOUS         0 p           -20 ~ +70           -30 ~ +80           NORYL           Sn PLATED           ED COPPER	dBA Hz oulse /second °C		С	REVISED TERMINAL MATERIAL	3/20/2006	B.R.
RESONANT FREQUENCY 4. TONE OR PULSE RATE CO OPERATING TEMPERATURE STORAGE TEMPERATURE HOUSING MATERIAL FERMINAL MATERIAL RE	4,000 ± 500 ONTINUOUS 0 p -20 ~ +70 -30 ~ +80 NORYL Sn PLATED ED COPPER	Hz pulse /second °C					
TONE OR PULSE RATE CO OPERATING TEMPERATURE STORAGE TEMPERATURE HOUSING MATERIAL SI FERMINAL MATERIAL RE	ONTINUOUS 0 p -20 ~ +70 -30 ~ +80 NORYL Sn PLATED ED COPPER	oulse /second °C			REVISED TO INVENTOR 3-D DRAWING TEMPLATE	10/9/2007	B.R.
DPERATING TEMPERATURE STORAGE TEMPERATURE HOUSING MATERIAL SI REMINAL MATERIAL RE	-20 ~ +70 -30 ~ +80 NORYL Sn PLATED ED COPPER	°C					
STORAGE TEMPERATURE	-30 ~ +80 NORYL Sn PLATED ED COPPER						
HOUSING MATERIAL SI TERMINAL MATERIAL RE	NORYL Sn PLATED ED COPPER	°C - -					
TERMINAL MATERIAL	Sn PLATED ED COPPER	-					
TERMINAL MATERIAL RE	ED COPPER	-					
WEIGHT							321
	1	grams				Jun 1	100
				1.5 0.7 (2)			
NOTES:							
1. ALL DIMENSIONS ARE IN MI	ILLIMETERS.		UNLESS OTHE SPECIFIED	RWISE		oved by Date	Drawn Date
2. SPECIFICATIONS SUBJECT WITHOUT NOTICE.	TO CHANGE	OR WITHDR	AWL DIMENSIONS A MILLIMETE	<sub>re in</sub> Si rs,			4 10/9/200 <b>)\/_R</b>
3. THIS PART IS RoHS 2002/95/	5/EC COMPLIA	NT.	TOLERANC ARE ±0.5 A ANGLES ARE AI-1440-	ES ND : ±3°.			Edition         Sheet           -         1 / 1

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