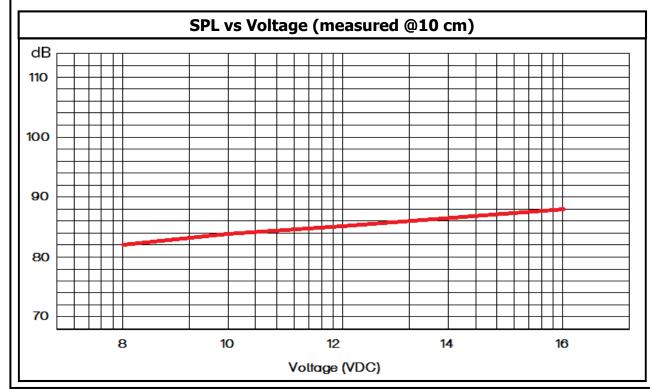


AI-1223-TWT-12V-R 12mm Indicator

3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- 12mm diameter, 8-16 VDC self-drive indicator
- 85 dBA minimum output (12 VDC @ 10 cm) and 2,300 Hz continuous tone
- PBT housing withstands Wave soldering temperatures
- Removable wash tag preserves performance







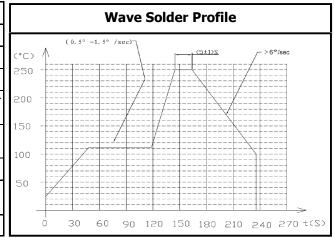


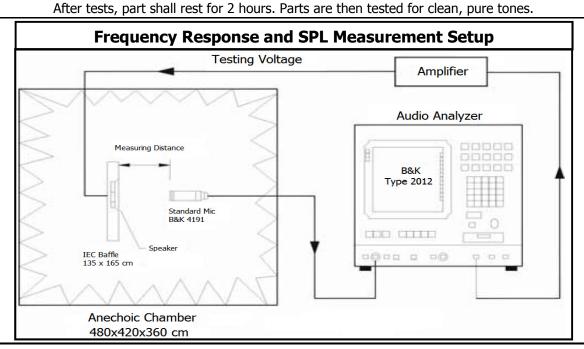


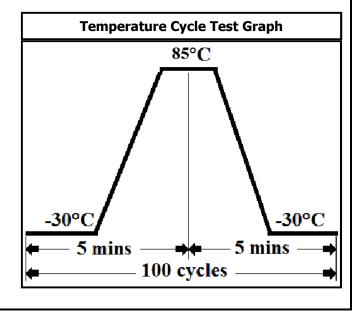


AI-1223-TWT-12V-R 12mm Indicator

Mechanical and Environment Testing			
Test Description	Test Condition		
High Temperature	85°C (±2°C) with random humidity for 96 hours		
Low Temperature	-25°C (±2°C) with random humidity for 96 hours		
Humidity	40°C (±2°C) with 90% to 95% relative humidity for 96 hours		
Vibration	0.75 mm movement modulated at 10-55 Hz for 3 hours		
Drop Test	100 cm free fall onto wood board, 10 cycles		
Temperature Cycle Test	-30°C to 85°C, 100 cycles		





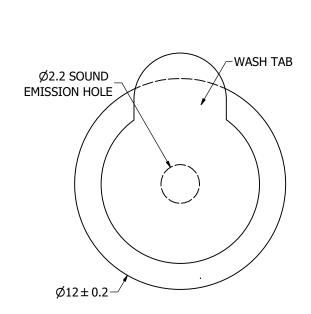


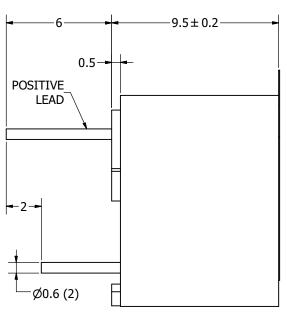
SPECIFICATIONS						
PARAMETERS	VALUES	UNITS				
RATED VOLTAGE	12	Vdc				
OPERATING VOLTAGE RANGE	8 ~ 16	Vdc				
RATED CURRENT (MAX)	30	mA				
MINIMUM SPL @ 10 CM	85	dBA				
RESONANT FREQUENCY	2,300 ± 400	Hz				
TONE OR PULSE RATE	CONTINUOUS	0 pulse /sec				
OPERATING TEMPERATURE	-20 ~ +70	°C				
STORAGE TEMPERATURE	-30 ~ +80	°C				
HOUSING MATERIAL	PBT	-				
TERMINAL MATERIAL	Sn PLATED RED COPPER	-				
WEIGHT	2	grams				

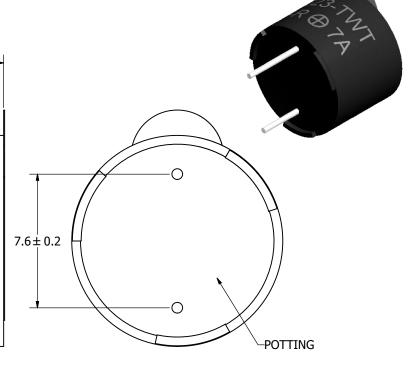
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'	REVISION HISTORY		
LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	8/10/2004	
Α	REMOVED LEAD FREE NOTE ADDED RoHS NOTE	8/5/2005	B.R.
В	REVISED DIMENSION SIZE AND STYLE	11/28/2005	B.R.
С	REVISED SOUND HOLE AND TEMPERATURE	5/11/2010	B.R.
D	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	6/30/2010	B.R.
Е	REVISED HOUSING MATERIAL	9/25/2012	B.R.







Date

NOTES:

- 1. ALL DIMENSIONS ARE IN MILLIMETERS.
- 2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL WITHOUT NOTICE.
- 3. THIS PART IS RoHS 2002/95/EC COMPLIANT.

UNLESS OTHERWISE SPECIFIED:	0175
DIMENSIONS ARE IN MILLIMETERS,	SIZE
TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	A 3
Δ1-1223-T\Λ/T	-12\/-B idw

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R.A.C.	8/10/2004	
	pul.	
	audic a projects unlimited co	IIIC

Date

Designed by

Checked by

R.W. 8/10/2004 6/30/2010 AI-1223-TWT-12V-R

Approved by

Indicator Edition Sheet - 1/1

Drawn Date