



## Excellent Integrated System Limited

Stocking Distributor

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[PUI Audio, Inc.](#)  
[AI-4228-P-FP18-R](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

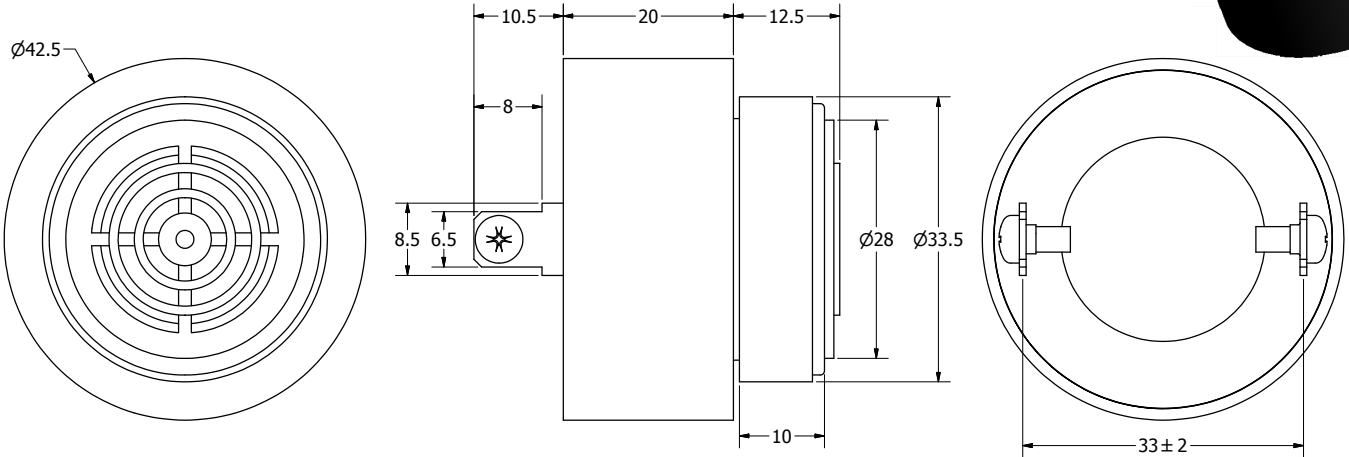
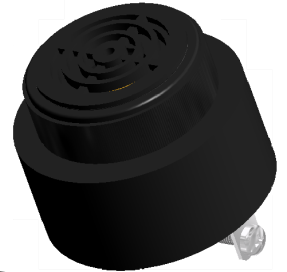
**SPECIFICATIONS**

PARAMETERS	VALUES	UNITS
RATED VOLTAGE	12	Vdc
OPERATING VOLTAGE RANGE	7 ~ 18	Vdc
RATED CURRENT (MAX)	16	mA
MINIMUM SPL @ 10 CM	108	dBa
RESONANT FREQUENCY	2,900 ± 500	Hz
TONE OR PULSE RATE	FAST PULSE	3 pulse /sec
OPERATING TEMPERATURE	-30 ~ +85	°C
STORAGE TEMPERATURE	-40 ~ +85	°C
HOUSING MATERIAL	NYLON	-
TERMINAL MATERIAL	Sn PLATED BRONZE	-
WEIGHT	40	grams

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**REVISION HISTORY**

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	6/20/2006	
A	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	2/28/2008	B.R.



**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:  
DIMENSIONS ARE IN MILLIMETERS,  
TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.  
AI-4228-P-FP18-R.idw

SIZE  
**A3**

Designed by	Date	Checked by	Date	Approved by	Date	Drawn Date
J.D.	6/20/2006	E.P.	6/20/2006	B.R.	6/20/2006	2/28/2008

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**UL Indicator**

Edition	Sheet
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