CUI INC®

MODEL: CPE-121 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

FEATURES

- wire leads with feedback
- 12 Vdc rating
- low profile
- 4.5 kHz rated frequency

RoHS

SPECIFICATIONS

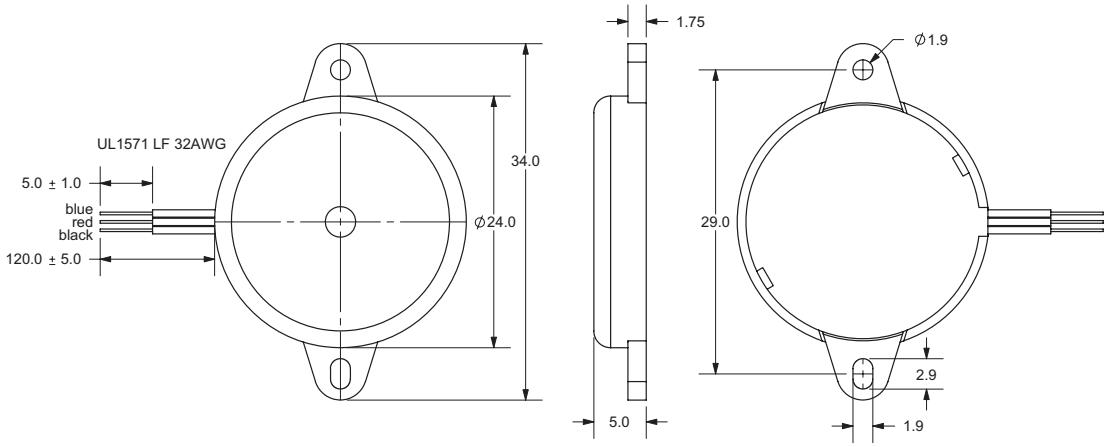
parameter	conditions/description	min	typ	max	units
rated voltage			12		Vdc
operating voltage		3		28	Vdc
current consumption	at rated voltage			13	mA
rated frequency		4,000	4,500	5,000	Hz
sound pressure level	at 30 cm, rated voltage	83			dB
dimensions	Ø24.0 x 5.0				mm
weight				7.4	g
material	ABS UL94 1/16” HB High Heat (black)				
terminal	wire leads				
operating temperature		-30		85	°C
storage temperature		-40		95	°C
RoHS	2011/65/EU				

Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

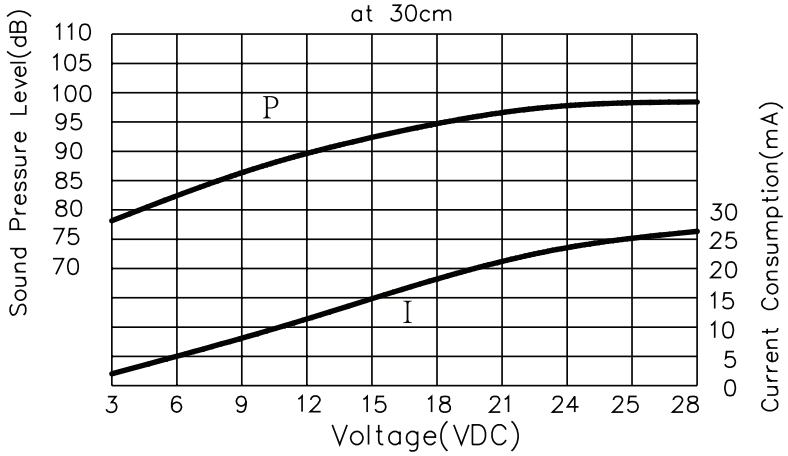
units: mm
tolerance: ±0.5 mm

WIRE CONNECTIONS	
Color	Function
Red	+terminal (M)
Black	-terminal (G)
Blue	feedback (F)

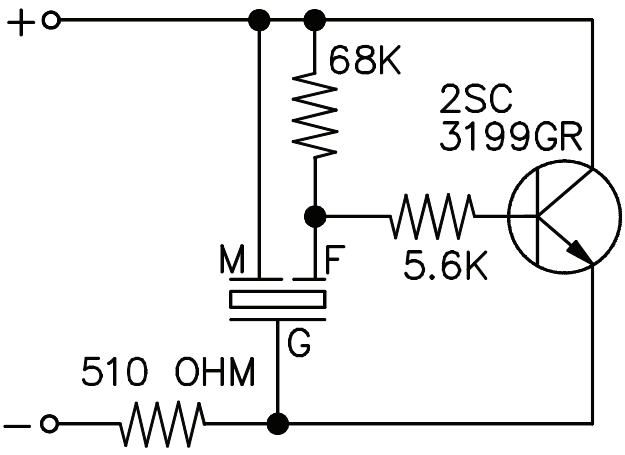


PERFORMANCE CURVES

P: Voltage vs. Sound Pressure Level
I: Voltage vs. Current Consumption



DRIVING CIRCUIT



Notes: 1. The current consumption and the sound pressure level are measured by using the recommended driving circuit shown above.

REVISION HISTORY

rev.	description	date
1.0	initial release	11/12/2007
1.01	applied new spec template	01/08/2015

The revision history provided is for informational purposes only and is believed to be accurate.

CUI INC®

Headquarters
20050 SW 112th Ave.
Tualatin, OR 97062
800.275.4899

Fax 503.612.2383
cui.com
techsupport@cui.com