CUDEVICES

MODEL: CEP-1173 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

FEATURES

- wire leads with feedback
- 12 Vdc rating
- low profile
- 3.3 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			7	mA
rated frequency		2,800	3,300	3,800	Hz
sound pressure level	at 30 cm, rated voltage	82			dB
dimensions	Ø32.0 x 13.5				mm
weight				7.4	g
material	ABS UL94 1/16" HB High Heat (black)				
terminal	wire leads				
operating temperature		-30		80	°C
storage temperature		-40		95	°C
RoHS	yes				

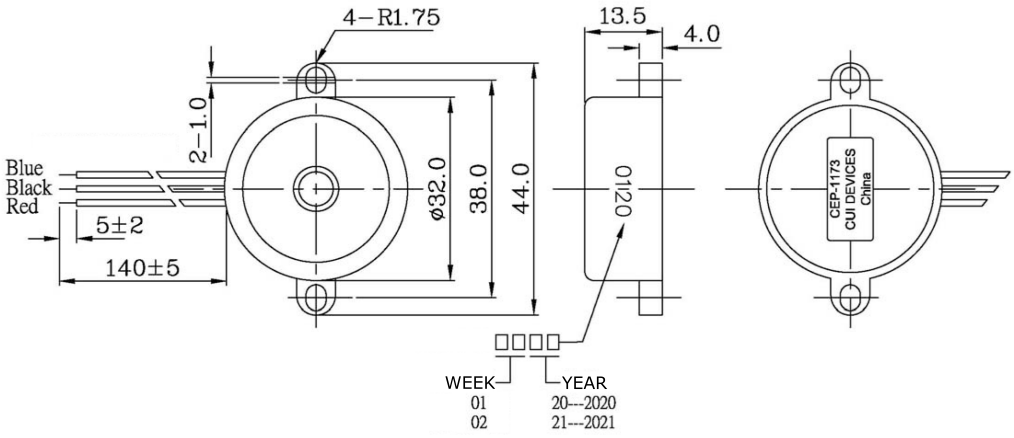
Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

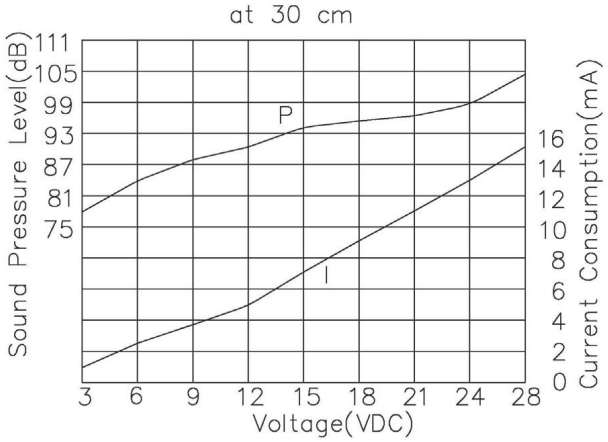
wire: wire: UL1095 28 AWG

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

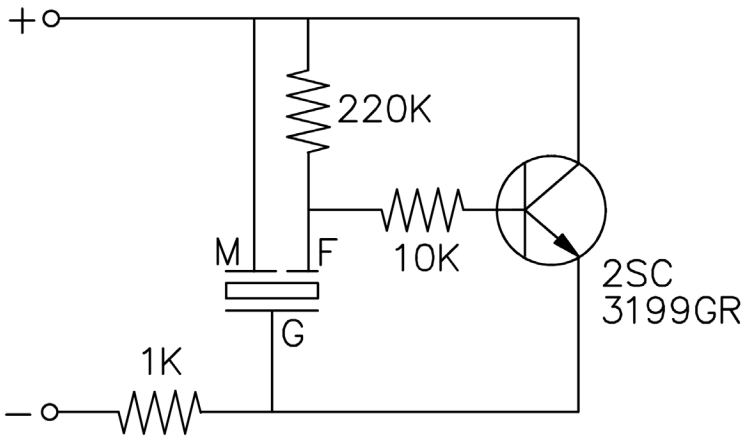


PERFORMANCE CURVES

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	06/25/2007
1.01	applied new spec template	06/25/2015
1.02	updated datasheet	10/23/2018
1.03	brand update	04/27/2020
1.04	logo, datasheet style update	08/05/2022

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