



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



MODEL: CPE-503 | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER

FEATURES

- feedback pin
- 12 Vdc rating
- driving circuit
- vertical orientation through hole mount
- wide operating temperature range (-30~115 °C)



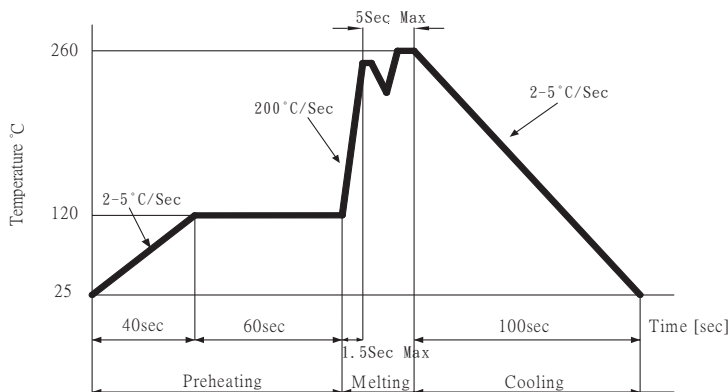
SPECIFICATIONS

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		2,700	3,200	3,700	Hz
sound pressure level	at 30 cm, rated voltage	72			dB
dimensions	25.0 x 24.0 x 10.0				mm
weight				3.7	g
material	PC+10% glass (black)				
terminal	pin type (Au plating)				
operating temperature		-30		115	°C
storage temperature		-40		125	°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.

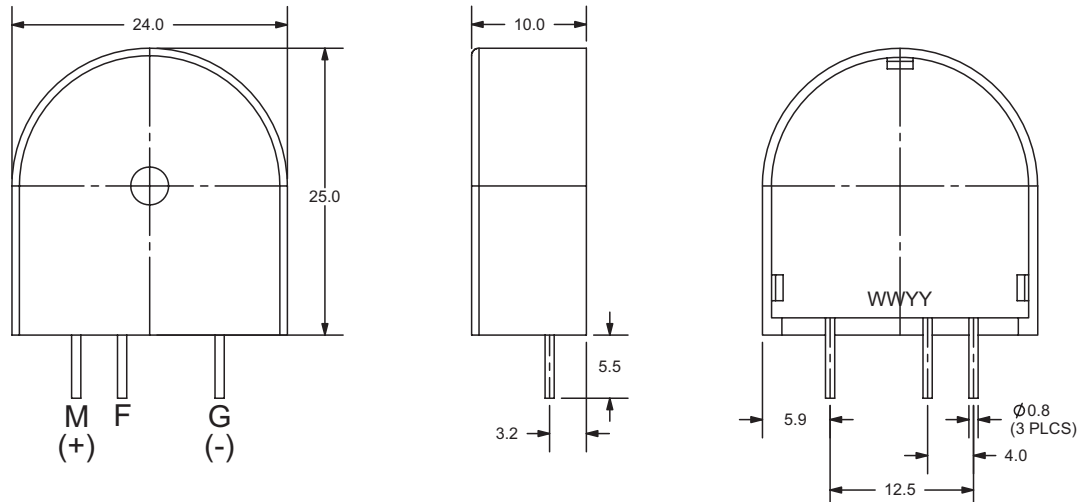
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 5 seconds	330		380	°C
wave soldering	see wave soldering profile			260	°C



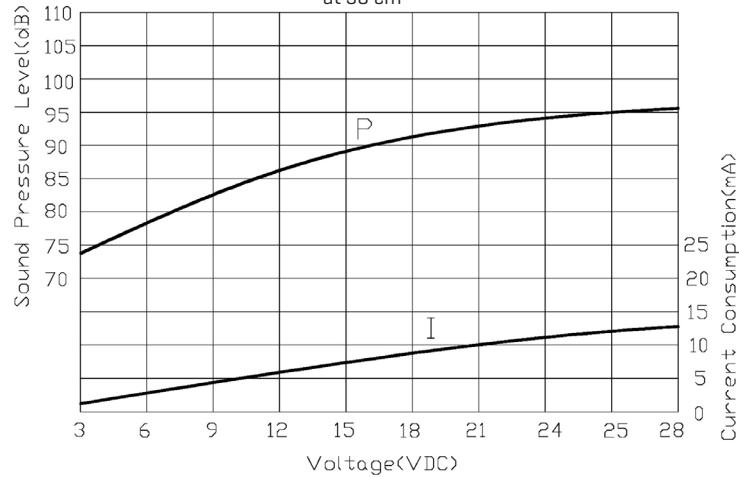
MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

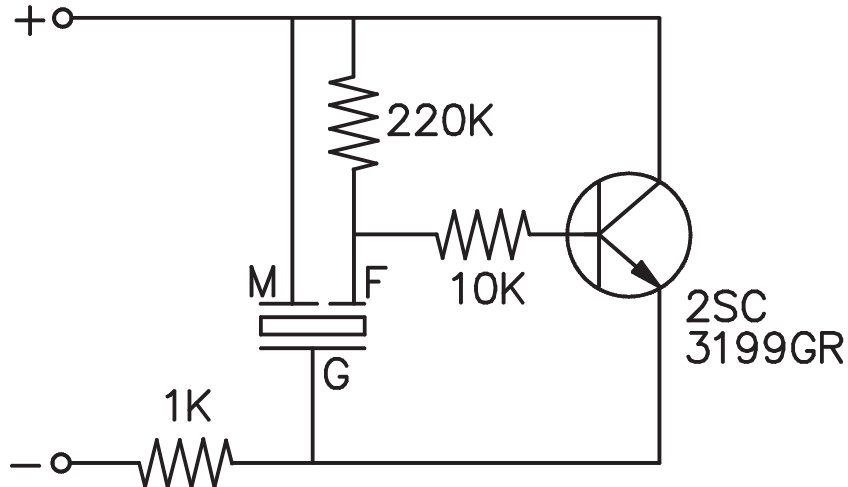


PERFORMANCE CURVES

P: Voltage vs. Sound Pressure Level
I: Voltage vs. Current Consumption
at 30 cm



DRIVING CIRCUIT



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

REVISION HISTORY

rev.	description	date
1.0	initial release	11/12/2007
1.01	applied new spec template	01/07/2016

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

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