

MODEL: CPE-827 | DESCRIPTION: PIEZO BUZZER TRANSDUCER

FEATURES

- piezo transducer with wire leads
- 97 dB SPL
- 4,500 Hz rated frequency



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
operating voltage				50	Vp-p
current consumption	at 10 Vp-p, 4,500 Hz square wave			11	mA
rated frequency			4,500		Hz
sound pressure level	at 10 cm, 10 Vp-p, 4,500 Hz square wave	97			dB
electrostatic capacity	at 1 kHz/1 V	12,600	18,000	23,400	pF
dimensions	Ø30.0 x 5.1				mm
weight				4.7	g
material	ABS UL94 1/16" HB High Heat (black)				
terminal	wire leads				
operating temperature		-30		85	°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.

SOLDERABILITY

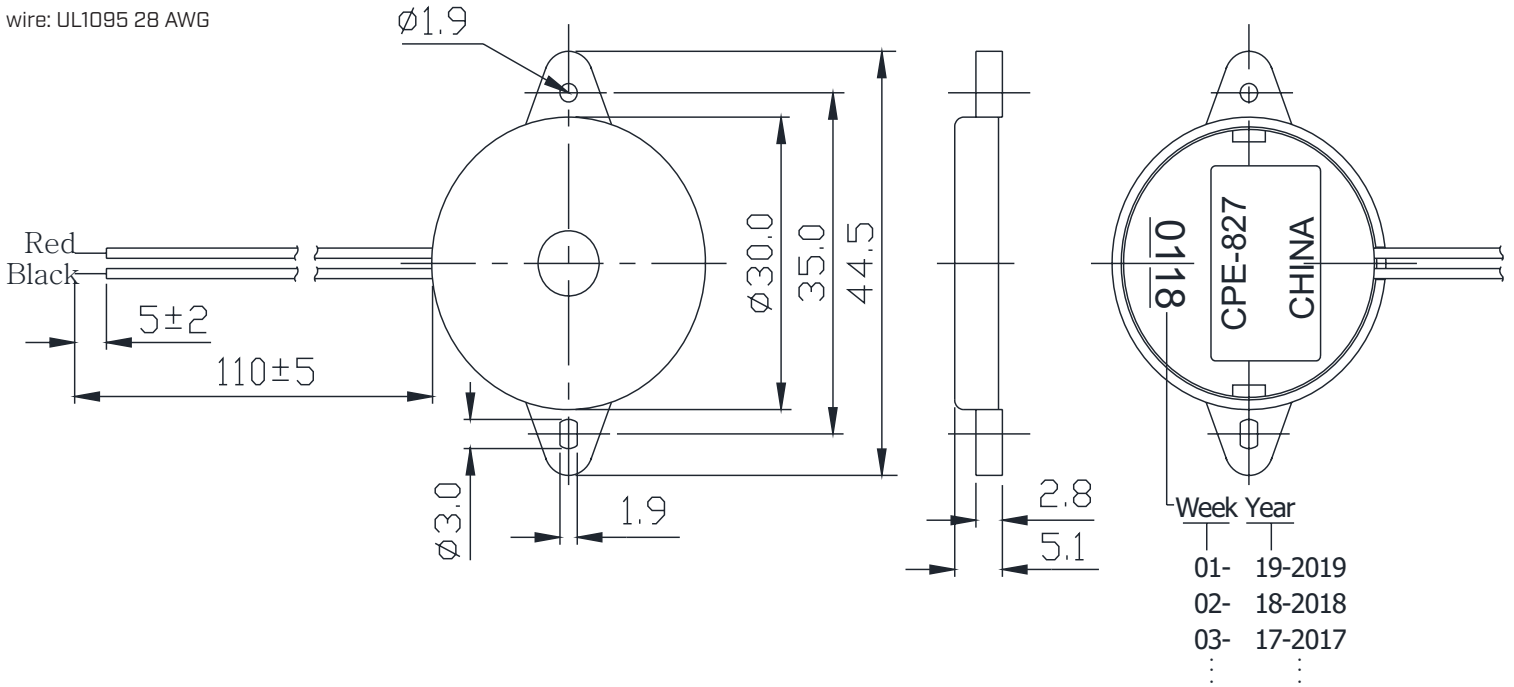
parameter	conditions/description	min	typ	max	units
hand soldering	for 2 ± 0.5 seconds	280	290	300	°C

MECHANICAL DRAWING

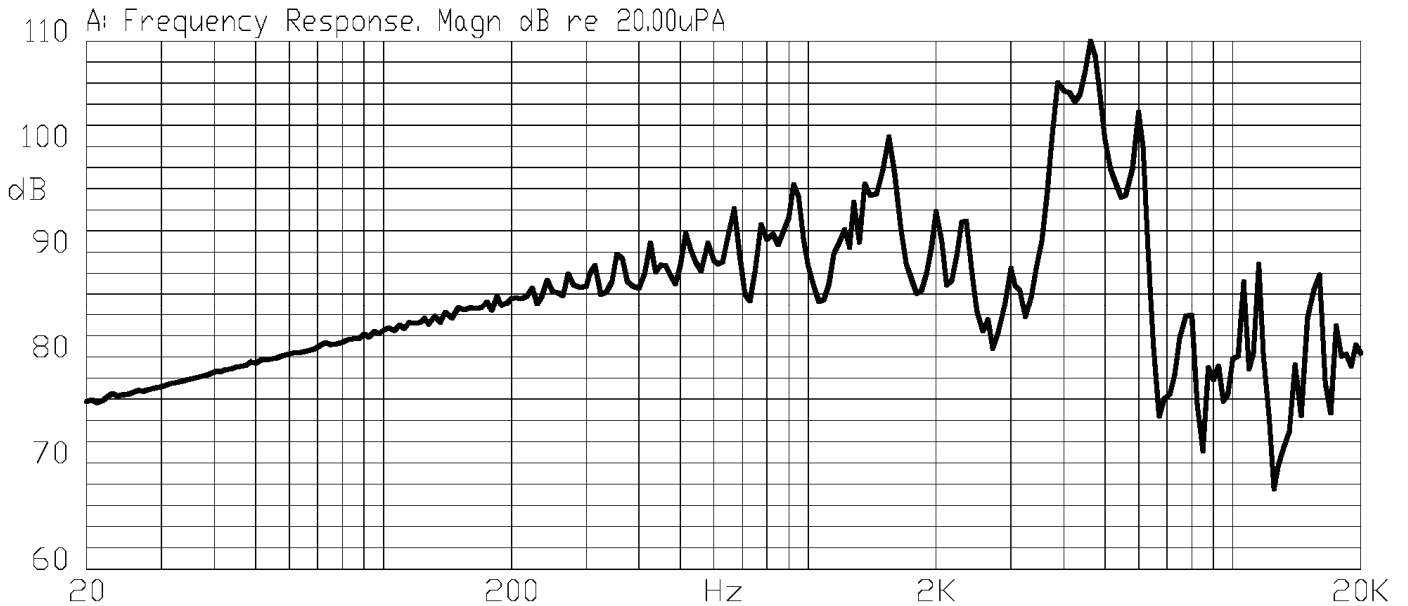
units: mm

tolerance: ±0.5 mm

wire: UL1095 28 AWG



FREQUENCY RESPONSE CURVE



REVISION HISTORY

rev.	description	date
1.0	initial release	11/12/2007
1.01	brand update	05/05/2020
1.02	logo, datasheet style update	08/05/2022
1.03	CUI Devices rebranded to Same Sky	09/11/2024

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



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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