

**MODEL:** CPT-3016-105T | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- piezo
- 105 dB @ 0.3 m
- through hole

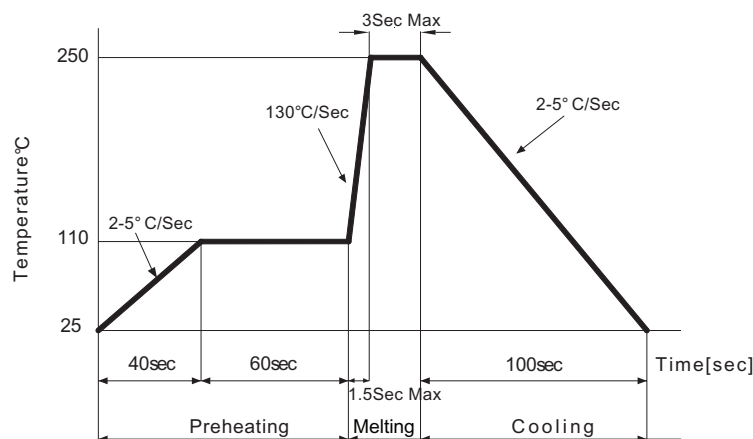
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage			12		Vdc
operating voltage		5.5		16	Vdc
current consumption	at rated voltage, driven by RE46C100			3	mA
rated frequency		3,000	3,250	3,500	Hz
sound pressure level	at 30 cm, rated voltage , driven by RE46C100	105			dB
dimensions	Ø30.6 x 16				mm
weight				5.5	g
material	PBT + 15% GF (black)				
terminal	pin (tin plating)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
RoHS	yes				

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

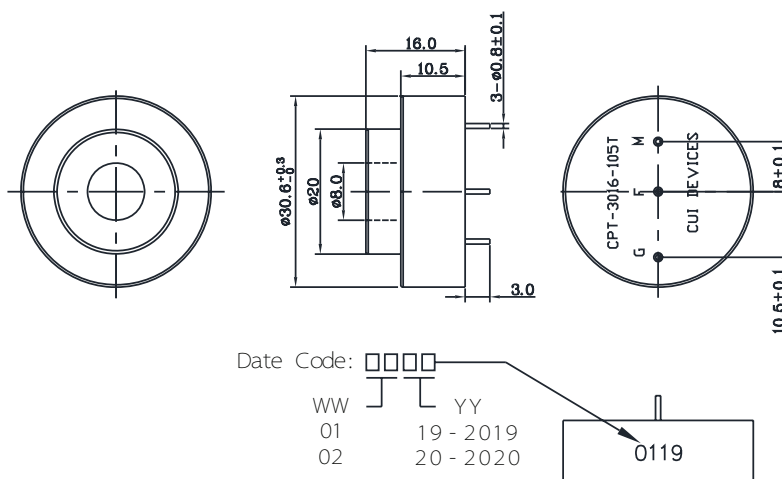
**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 2 seconds	330		380	°C
wave soldering	see recommended wave soldering profile			250	°C



## MECHANICAL DRAWING

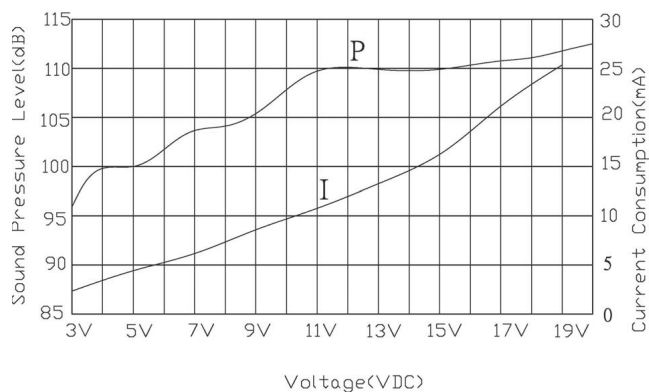
units: mm  
tolerance:  $\pm 0.5$  mm



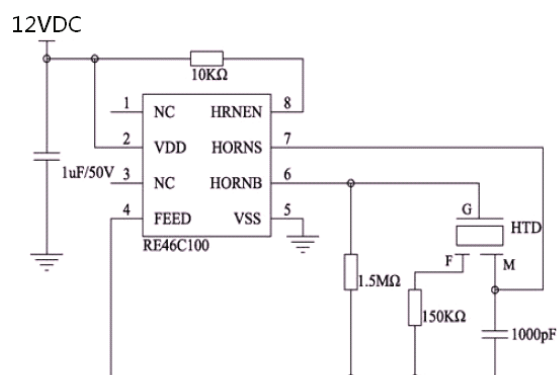
## PERFORMANCE CURVE

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

at 30cm



## 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	12/19/2023

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



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

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