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# MODEL: CPT-9019S-SMT-TR | DESCRIPTION: PIEZO BUZZER TRANSDUCER

#### **FEATURES**

- externally driven
- · low profile
- SMT





### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
operating voltage				25	Vp-p
current consumption	at 3 Vp-p, 4,000 Hz square wave			5	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, 3 Vp-p, 4,000 Hz square wave	65			dB
electrostatic capacity	at 100 Hz/1 V	8,400	12,000	15,600	pF
dimensions	9.0 x 9.0 x 1.9				mm
weight				0.2	g
material	LCP				
terminal	SMT type (Sn plating)				
operating temperature		-30		70	°C
storage temperature		-40		85	°C
RoHS	yes				

**SOLDERABILITY** 

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidty <40%			25	°C
reflow soldering <sup>2</sup>	see recommended reflow soldering profile			260	°C
drying conditions <sup>3</sup>	bake at 40°C for 24 hours				

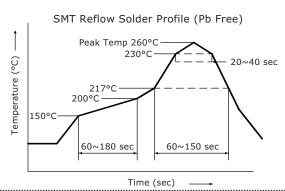
Note:

Notes:

2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C 8 relative humidity <60%.

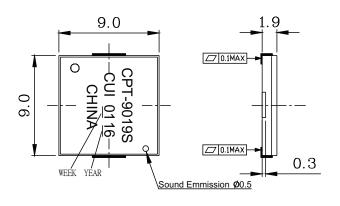
3. When out of packaging for more than 48 hours.

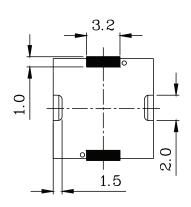
1. All specifications measured at  $5-35^{\circ}$ C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

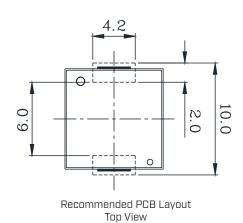


## **MECHANICAL DRAWING**

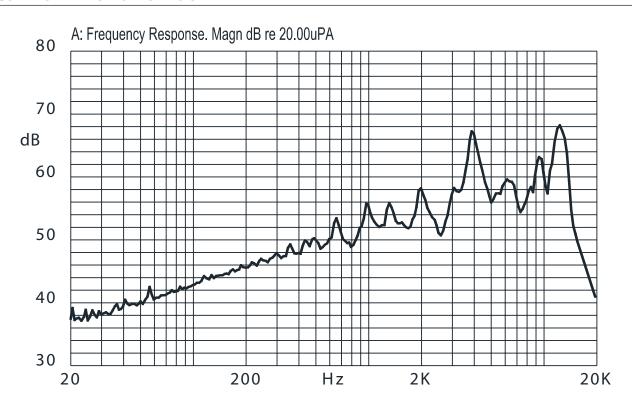
units: mm tolerance: ±0.5 mm







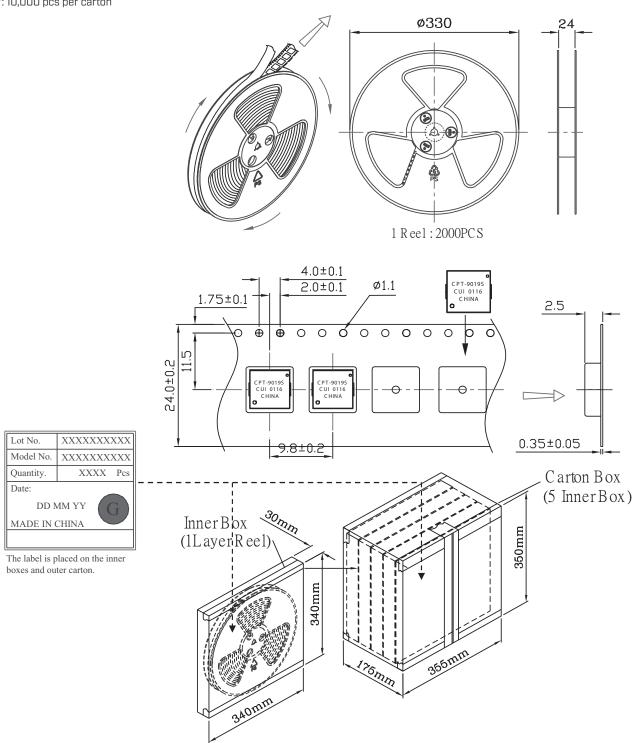
### FREQUENCY RESPONSE CURVE



### **PACKAGING**

units: mm

Reel Size: Ø330 mm Carton Size: 175 x 355 x 350 mm Reel QTY: 2,000 pcs per reel Carton QTY: 10,000 pcs per carton



Additional Resources: Product Page | 3D Model | PCB Footprint

CUI DEVICES | MODEL: CPT-9019S-SMT-TR | DESCRIPTION: PIEZO BUZZER TRANSDUCER

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#### **REVISION HISTORY**

rev.	description	date	
1.0	initial release	03/31/2016	
1.01	added storage and drying conditions	07/29/2019	
1.02	brand update	12/05/2019	
1.03	logo, datasheet style update	08/05/2022	

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



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