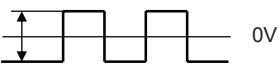


**MODEL:** CPT-191985-SMT-TR | **DESCRIPTION:** PIEZO BUZZER TRANSDUCER**FEATURES**

- no driving circuit
- piezo
- surface mount

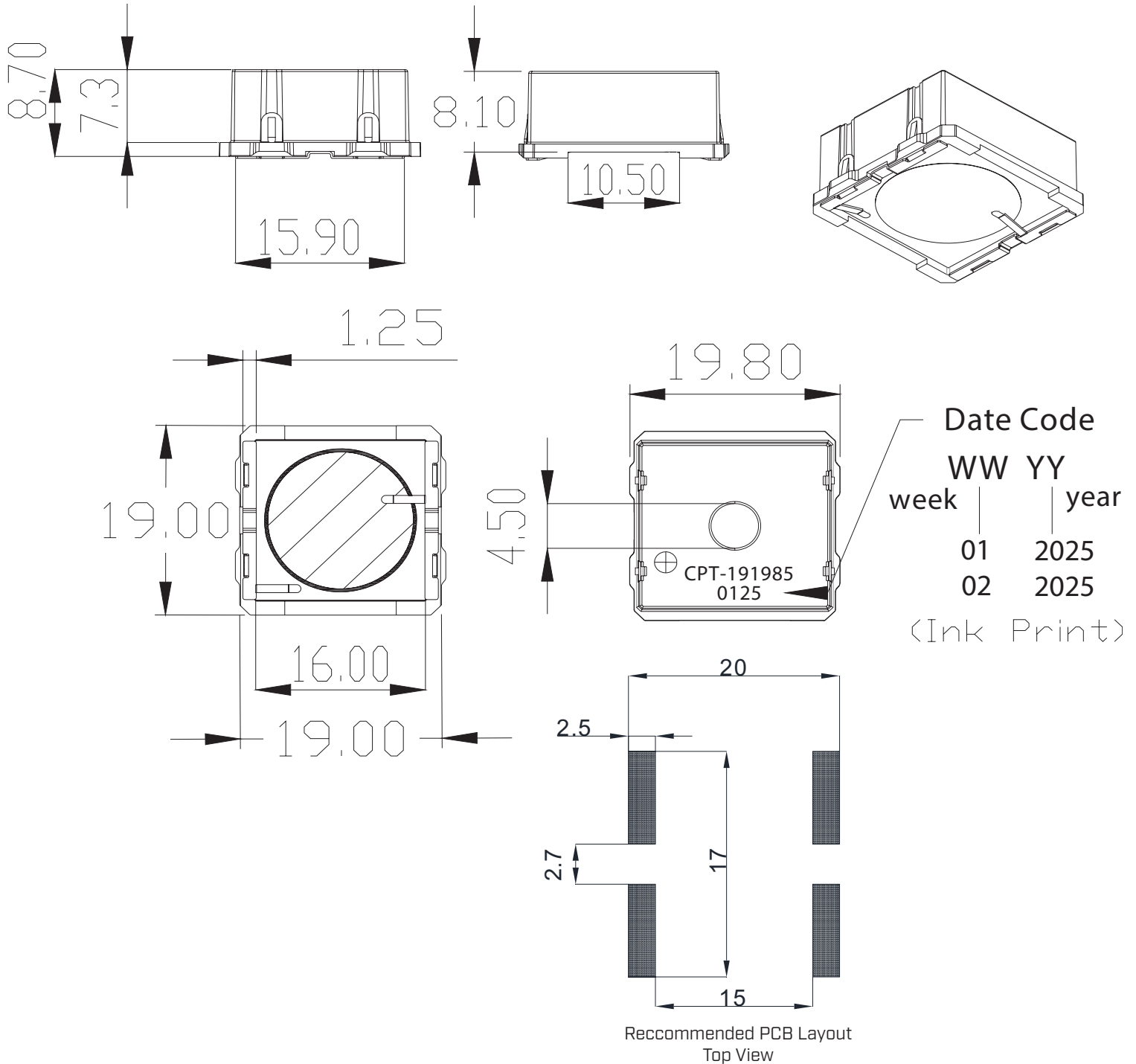
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage	 Vp-p 0V		12		Vp-p
operating voltage				18	Vp-p
current consumption	at rated voltage, 2,000 Hz, ½ duty square wave			38	mA
rated frequency			2,000		Hz
sound pressure level	at 10 cm, rated voltage, 2,000 Hz, ½ duty square wave	88			dB
electrostatic capacitance	at 100 Hz/1 V	24,500	35,000	45,500	pF
dimensions	19.0 x 19.0 x 8.7				mm
weight			2.0		g
material	LCP (black)				
terminal	surface mount (tin plating)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
washable	no				
RoHS	yes				

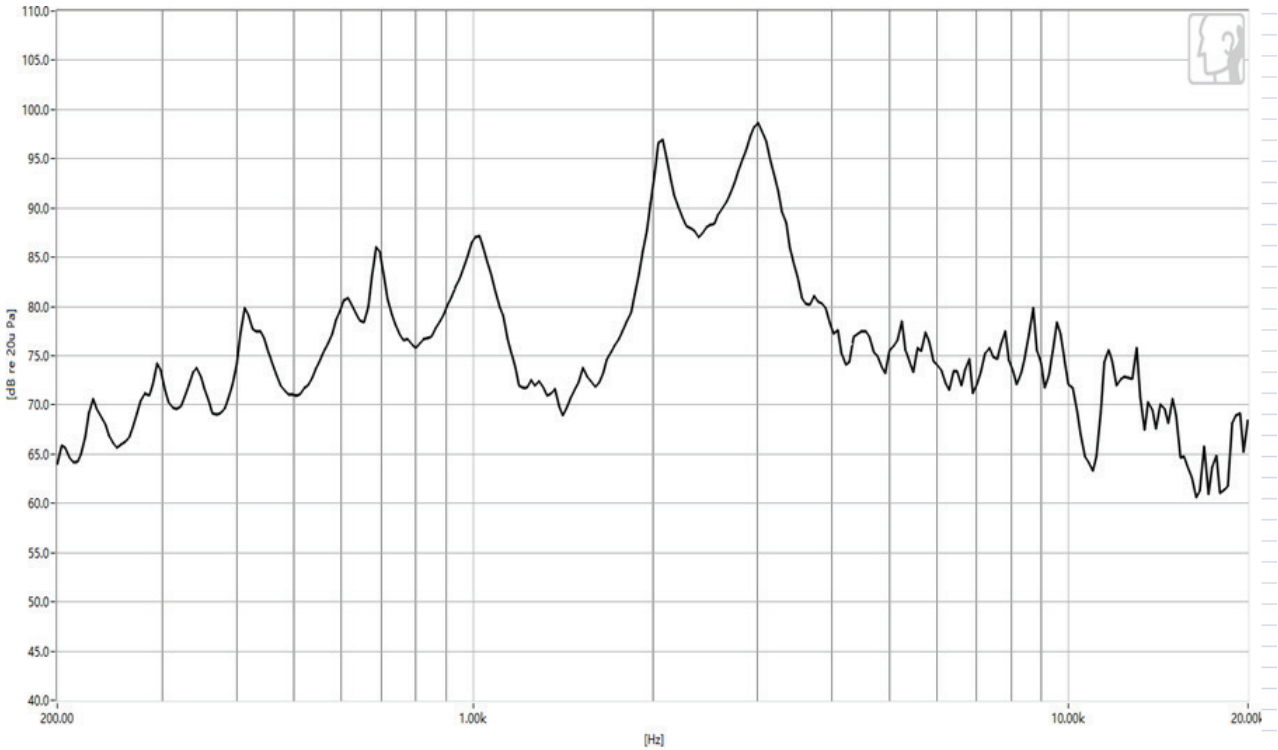
Notes: 1. All specifications measured at +5~+35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm



FREQUENCY RESPONSE CURVE

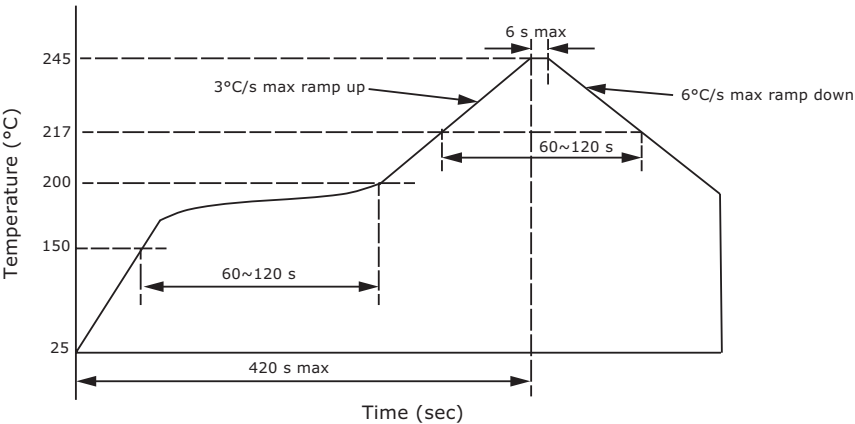


SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reflow soldering ⁴	as per IPC/JEDEC J-STD-020C		240	245	°C
drying conditions ⁵	bake at 40°C for 24 hours				

Note:

- 2. Not suitable for wash process.
- 3. It is recommended to reflow solder only once.
- 4. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
- 5. When out of packaging for more than 48 hours.

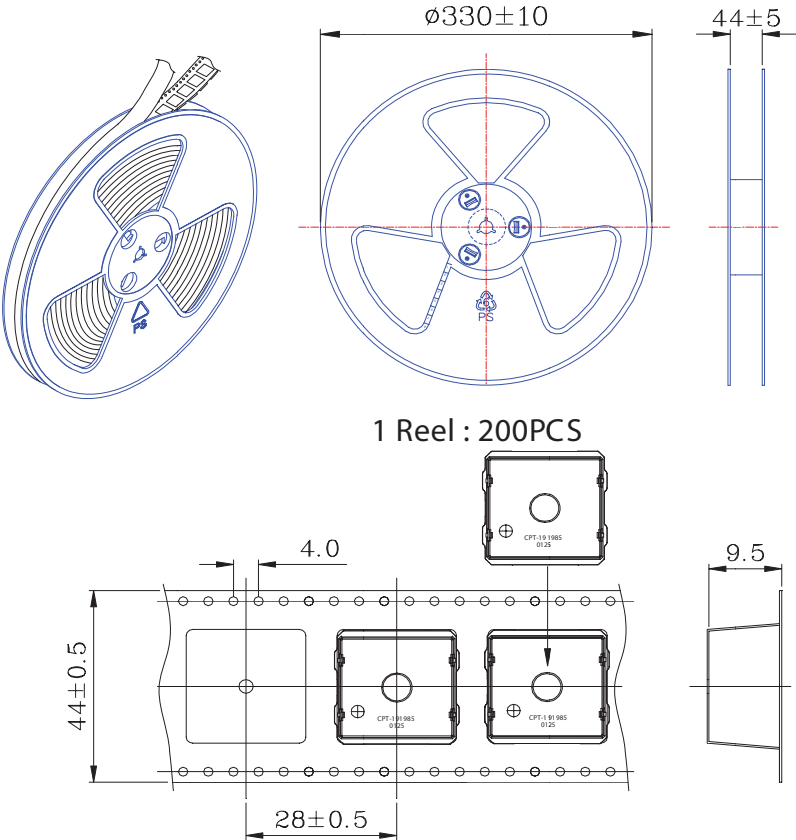


PACKAGING

parameter	conditions/description	min	typ	max	units
reel storage ⁶	at relative humidity 15~85%			40	°C
MSL	Class 2a				
reel QTY	200				
carton QTY	1,000				

Note:

- 6. Recommended floor life (out of sealed bag) at <30°C, 60%RH is 48 hours.



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