

Tel: 1-800-722-8197 1-631-595-2217 Fax: 1-631-667-5484 EMAIL: sales@challelec.com WEB: www.challengeelectronics.com ISO 9001/14001:2015 Certified

### INDICATORS • SPEAKERS • SOUND TRANSDUCERS • ENCLOSURES • MICROPHONES • BATTERY ACCESSORIES

# CT05E-04S310-3

Rev. 0-2025 RoHS3 & REACH Electromagnetic Sound Transducers

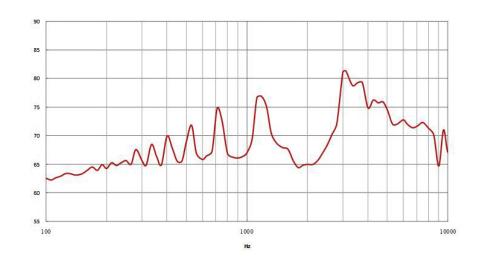


## Operating Characteristics

ELECTRICAL			
Rated V	oltage	3 Vo-p	
Operation	ng Voltage	2 to 4.5 Vo-p	
Coil Res	sistance	10 ± 1.5 Ω	
Max Cu at V Rat		120 mA	

#### **ACOUSTIC**

Min SPL at V Rated	80 dB
Test Conditions	10 cm
fo	3.100 Hz



### **Physical Characteristics**

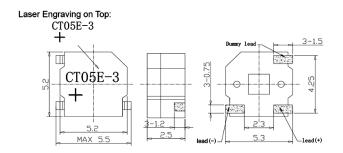
### MATERIAL

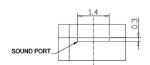
Housing	Black LCP	
Diaphragm	Iron	
Solder Pad	Brass	

## TEMPERATURE RANGES

Operating	-40 to +85 °C
Storage	-40 to +85 °C

Weight 0.3 g





General tolerance =  $\pm 0.3$  mm and all measurements in mm unless otherwise noted.

Revision	Description	Ву	Date
0-2025	Original Specification	KG	2025-10-15

Warranty: For a period of one (1) year from date of shipping under normal operations conditions. This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair.

The information contained herein is believed to be correct, but no guarantee or warranty, express or implied, with respect to accuracy, completeness or results is extended and no liability is assumed. Challenge Electronics reserves the right to make changes in any specification, data or material contained herein.



Tel: 1-800-722-8197 1-631-595-2217 Fax: 1-631-667-5484 EMAIL: sales@challelec.com WEB: www.challengeelectronics.com ISO 9001/14001:2015 Certified

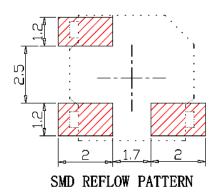
### INDICATORS • SPEAKERS • SOUND TRANSDUCERS • ENCLOSURES • MICROPHONES • BATTERY ACCESSORIES

CT05E-04S310-3

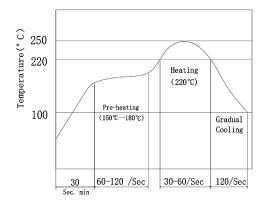
Rev. 0-2025 RoHS3 & REACH Electromagnetic Sound Transducers



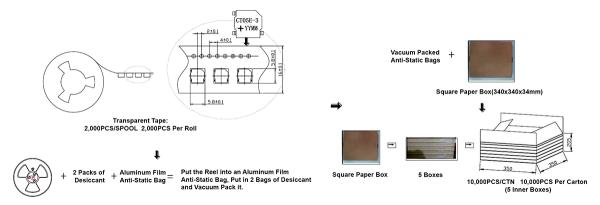
### **Recommended Footprint**



### **Recommended Reflow Profile**



### Tape & Reel Packaging



Revision Descr	ription	Ву	Date
0-2025 Origin	nal Specification	KG	2025-10-15

Warranty: For a period of one (1) year from date of shipping under normal operations conditions. This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair.

The information contained herein is believed to be correct, but no guarantee or warranty, express or implied, with respect to accuracy, completeness or results is extended and no liability is assumed. Challenge Electronics reserves the right to make changes in any specification, data or material contained herein.