

SPECIFICATION

1. Scope

This specification covers the SONOPRO transducer for cleaning under the atmosphere of $25\pm 3^{\circ}\text{C}$ 40 ~ 70%RH.

2. Type

Trans-C333852

Trans-C	33	38	52
Transducer	Frequency	Ceramic dia.	Emitting dia.

3. Dimensions

As per the drawing : Height = 60 m/m Emitting Diameter= 52 m/m

4. Electrical Specification (By Piece)

- a. Resonant Frequency $F_r = 33\text{kHz}\pm 0.5\text{kHz}$
- b. Resonant Resistance $Z_r < 15\Omega$
- c. Capacitance CAPA = $3.74\pm 20\%$ nF
- d. $\text{tgD} (\% \text{ KHz}) < 0.5$
- e. $Q_m > 500$

5. Mechanical Characteristics (Periodical in Laboratory)

- a. Acoustic Power = $3.2\pm 0.5 \text{ Wcm}^2$
- b. Amplitude $> 13\mu\text{m}$ Peak-to-peak in sinusoidal

6. Frequency category :

- A : 32.50~27.79kHz
- B : 32.80~33.04kHz
- C : 33.05~28.29kHz
- D : 33.30~33.50kHz

7. Impedance VS Frequency curve of Trans-C333852

