

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-C40*803840-6

Trans-C	40 & 80	38	40
Transducer	Frequency	Ceramic dia.	Emitting dia.

3. Dimensions

As per the drawing : Height = 59mm Emitting Diameter = 40mm

4. Electrical Specification (By Piece)

- a. Resonant Frequency $F_r = 40\pm 0.5\text{kHz}$
- b. Resonant Resistance $Z_r < 15\Omega$
- c. Capacitance $CAPA = 3.74\pm 20\% \text{ nF}$
- d. tgD (% KHz) < 0.5
- e. Q_m > 500



5. Mechanical Characteristics (Periodical in Laboratory)

- a. Acoustic Power = $6.35\pm 1 \text{ Wcm}^2$ -- By Ohmico Ultrasonic Power Meter UMP- DT-1AV
- b. Amplitude $> 10\mu\text{m}$ -- Peak-to-peak in sinusoidal

6. Impedance VS Frequency curve of Trans-C40*803840

