

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-C26*383864

Trans-C	26 & 38	38	64
Transducer	Frequency	Ceramic dia.	Emitting dia.

3. Dimensions

As per the drawing : Height = 66m/m Emitting Diameter = 64m/m



4. Electrical Specification (By Piece)

a. Resonant Frequency $F_r = 26\text{kHz} \pm 0.5\text{kHz}$

b. Resonant Resistance $Z_r < 20\Omega$

c. Capacitance $\text{CAPA} = 3.74 \pm 20\% \text{ nF}$

d. $\text{tgD} (\% \text{ KHz}) < 0.5$

e. $Q_m > 500$

5. Mechanical Characteristics (Periodical in Laboratory)

a. Acoustic Power = $2.5 \pm 0.5 \text{ Wcm}^2$ -- By Ohmico Ultrasonic Power Meter UMP- DT-1AV

b. Amplitude $> 15\mu\text{m}$ -- Peak-to-peak in sinusoidal

6. Frequency category :

A : 25.50~25.79kHz B : 25.80~26.04kHz

C : 26.05~26.29kHz D : 26.30~26.50kHz

7. Impedance VS Frequency curve of Trans-C403545

