

NO. 07—STC—003

DATE 2012-7-11

TO. _____

PIEZOCERAMIC TRANSDUCER

STC-4SS-3528

SPECIFICATION FOR APPROVAL



SUNNYTEC
ELECTRONICS CO., LTD.

SPECIFICATION

1. SCOPE

This specification covers the piezoelectric ceramic transducer for cleaning.

2. TYPE

STC-4SS-3528

3. SPECIFICATION

3.1 DIMENSIONS

As per the drawing No. STC-4SS-3528-01

3.2 ELECTRICAL SPECIFICATION

3.2.1 Resonant Frequency (fr)

$$f_r = 28\text{kHz} \pm 1\text{kHz}$$

3.2.2 Resonant Resistance (Ro)

$$R_o = \text{max. } 20 \, \Omega$$

3.2.3 Capacitance (Cp)

$$C_p = 3800 \, \text{pF} \pm 10\%$$

TITLE PIEZOELECTRIC CERAMIC TRANSDUCER	DESIGN:	CHECK:	APPROVAL:
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4. TEST PROCEDURE

4.1 TEST ATMOSPHERE

$23 \pm 3^{\circ}\text{C}$ 40 ~ 70%RH.

4.2 Fr AND Ro :

The HP-4194 Impedance Analyzer.

4.3 Cp

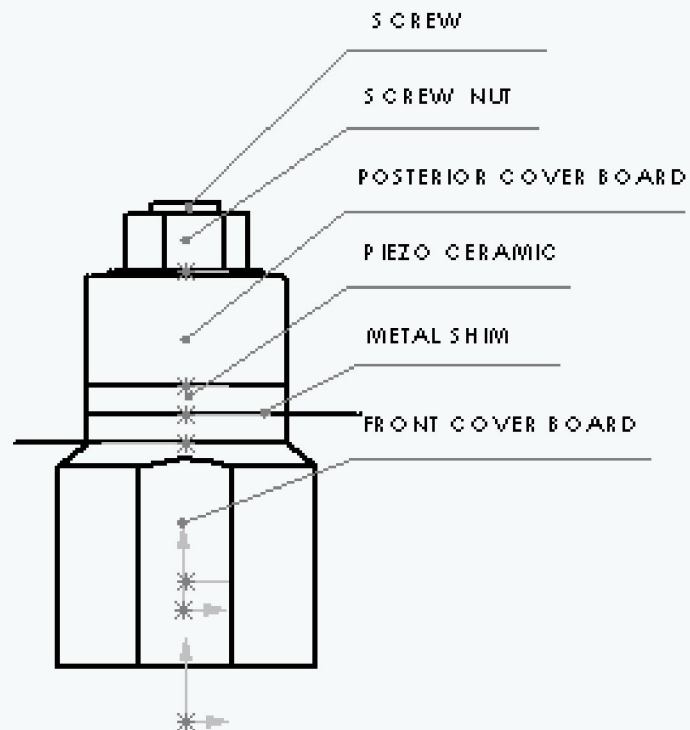
LCR meter at 1kHz, 1Vrms

5. INPUT FOR TRANSDUCER

MAXIMUM INPUT

Voltage: 400 Vp-p

Current: 2Ap-p



					DRAWING NAME: PIEZO ELECTRIC CERAMIC TRANSDUCER		DRAWING NO: STC-455-3528-01		
MODE	QTY.	DOC.NO.	SGN	DATE			REV.	WEIGHT	SCALE
DESIGN									
CHECKED									
ENG. APPR					MATERIAL:		SHEET		OF
Q.A.									



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