



STH-S44-3030A

Ultrasonic Welding Transducer

APPLICATION

Ultrasonic Welding

FEATURES

- High Mechanical Quality
- Efficient Electro-Acoustics Conversion
- Large Output Amplitude
- Low Heat Generation

SPECIFICATIONS	
Resonant Frequency:	$F_r = 30 \pm 1 \text{ kHz}$
Resonant Resistance:	$R_o = \text{max. } 20 \Omega$
Capacitance:	$C_p = 3850 \text{ pF} \pm 10\%$
Bandwidth:	$\Delta f \geq 0.5 \text{ kHz}$
Insulation Resistance:	$R \geq 2000 \text{ M}\Omega$ with 2000VDC
Power (Instantaneous Power):	200 W
Max. Input Voltage:	2000 Vp-p
Joint Bolt:	M 8 x 1.25 mm
TEST METHOD & CONDITIONS	
Test Environment:	$23 \pm 3 \text{ }^\circ\text{C}$; 40 ~ 70% RH
Fr and Ro:	HP-4194 Impedance Analyzer
Capacitance:	LCR meter at 1 kHz, 1 Vrms

DRAWING

