



STH-S44-5015

Ultrasonic Welding Transducer

APPLICATION

Ultrasonic Welding

FEATURES

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

SPECIFICATIONS	
Resonant Frequency:	Fr = 15 ± 1 kHz
Resonant Resistance:	Ro = max. 12 Ω
Capacitance:	Cp = 13.8 nF± 10%
Bandwidth:	Δf ≥ 1 kHz
Insulation Resistance:	R ≥ 2000 MΩ with 2000VDC
Power (Instantaneous Power):	700 W
Max. Input Voltage:	4000 Vp-p
Joint Bolt:	M 16 x 1.0 mm
TEST METHOD & CONDITIONS	
Test Environment:	23 ± 3 °C; 40 ~ 70% RH
Fr and Ro:	HP-4194 Impedance Analyzer
Capacitance:	LCR meter at 1 kHz, 1 Vrms

DRAWING

