



STH-S44-4020

Ultrasonic Welding Transducer

APPLICATION

Ultrasonic Welding

FEATURES

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

| SPECIFICATIONS | |
|-------------------------------------|----------------------------|
| Resonant Frequency: | Fr = 20 ± 1 kHz |
| Resonant Resistance: | Ro = max. 8 Ω |
| Capacitance: | Cp = 13.6 nF± 10% |
| Bandwidth: | Δf ≥ 1 kHz |
| Insulation Resistance: | R ≥ 2000 MΩ with 2000VDC |
| Power (Instantaneous Power): | 500 W |
| Max. Input Voltage: | 3000 Vp-p |
| Joint Bol: | M 12 x 2.0 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

