



STH-S44-5020

Ultrasonic Welding Transducer

APPLICATION

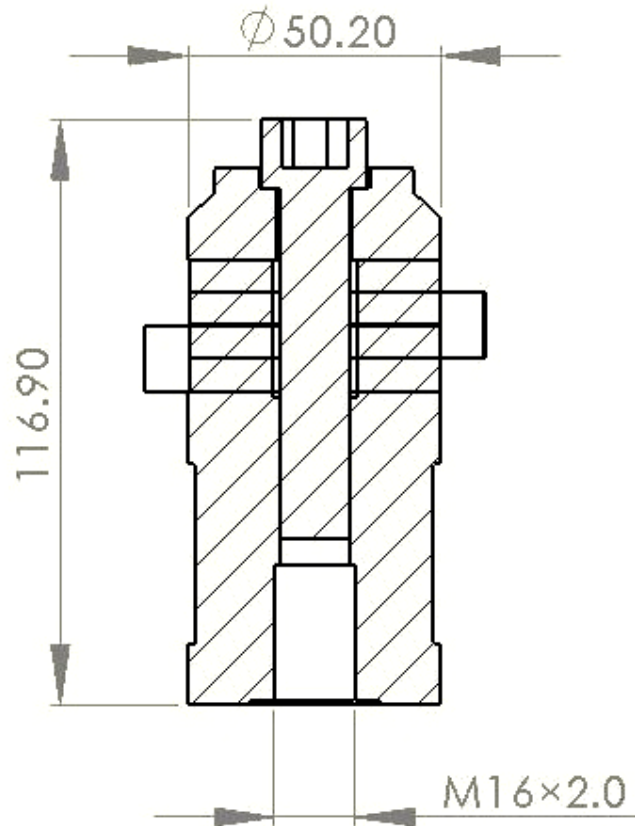
Ultrasonic Welding

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. 10 Ω
Capacitance:	Cp = 13200 pF± 10%
Bandwidth:	Δf ≥ 1 kHz
Insulation Resistance:	R ≥ 2000 MΩ with 2000VDC
Power (Instantaneous Power):	1000 W
Max. Input Voltage:	3000 Vp-p
Joint Bolt:	*M 16 x 2.0 mm (see note)
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



* Size of joint bolt might be different as listed.