

ULTRASONIC TRANSDUCER

THIS SHEET HAS BEEN
REPLACED

ABSTRACT

Ultrasonic piezoelectric transducer comprising a piezoelectric material (10) having a profile whereby the transducer transmits and/or receives ultrasonic vibrations in a dilational (quasilongitudinal) mode. The profile is curved and includes a point of inflection. Possesses a vibrational peak in the frequency range 10 kHz - 200 kHz. Construction is performed via profiling and tensioning the piezoelectric material.

Fig. 1.

This Sheet Has Been Replaced

