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THE WIDE-BAND PIEZOELECTRIC TRANSMITTER FOR SURGEON

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The creation of high-level acoustic radiation in limited volume for surgeon operations needs development of focused impulse transmitters with small length of impulses (< 1 ms) and big amplitude. The present article contents the results of different methods of creation the wide-band transmitters, ways of their damping with the goal of expanding the bandwidth and methods of electric damping. The experimental investigations of constructions of converters with different types of mechanical and electric damping were conducted.

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