

MULTILAYER PIEZOELECTRIC SUBSTRATE

ABSTRACT

5 An acoustic wave device includes a layered substrate having a piezoelectric material layer bonded to a second material layer including a material having a higher thermal conductivity than the piezoelectric material layer, interdigital transducer electrodes disposed on a surface of the piezoelectric material layer, contact pads disposed on the piezoelectric material layer and in electrical contact with the interdigital transducer electrodes, external
10 bond pads disposed on the second material layer, and conductive vias passing through the layered substrate and providing electrical contact between the contact pads and external bond pads.

15 Fig. 2