ABSTRACT OF THE DISCLOSURE

THIS SHEET HAS BEEN REPLACED

An end-face reflecting-type surface wave resonator using the SH-type surface wave achieves two types of resonance characteristics by use of only a single device. An interdigital transducer having a pair of comb-like electrodes are formed on a piezoelectric substrate having two ~~[oppossedly]~~ oppositely-facing end faces. The interdigital transducer has two peaks of main lobes and ~~[are]~~ it is assigned with weights so that the two peaks of main lobes substantially coincide with frequency positions of attenuation poles disposed across a main lobe of a virtual normal-type interdigital transducer having the same number of pairs of electrodes as the weighted interdigital transducer. Thus, the two types of resonance characteristics can be obtained.

Figure 6.

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