ABSTRACT

SMALL-GAP SURFACE ACOUSTIC WAVE TRANSDUCER

The invention relates to a so-called small gap surface acoustic wave transducer, which has a very small free surface between consecutive electrodes, thus being able to operate at very high frequency (of the order of several gigahertz).

The transducer of the invention furthermore comprises an grating of etched grooves separated by mesas in the substrate. This array is covered with a metallization layer, making up the electrodes, which makes it possible to obtain the transducer in a direct manner.

Application: surface acoustic wave filter.

Figure 3a