

CASCADED RESONATOR WITH DIFFERENT REFLECTOR PITCH

ABSTRACT

5 An acoustic wave device comprises a piezoelectric substrate, interdigital transducer
electrodes having an electrode pitch λ_0 , and first and second reflector gratings disposed on
opposite respective sides of the interdigital transducer electrodes in a propagation direction of
a main acoustic wave through the acoustic wave device, the first reflector grating having a
different electrode pitch λ_1 than an electrode pitch λ_2 of the second reflector grating to
10 suppress ripples in a conductance curve of the acoustic wave device.

[Fig. 4B]