

DECOUPLING CAPACITOR DESIGN

ABSTRACT

A thin-dielectric unit capacitor is disclosed having a first node coupled to a first circuit connection point and a second node coupled to a second circuit connection point. It further contains a first and second thin-dielectric capacitors connected in series between the first and second nodes, wherein a thickness of a gate dielectric for each thin-dielectric capacitor is less than 50 angstroms.

Fig. 2