EDP Heavy Boron-Doped Diamond

Diamond is a suitable material to be applied in power devices. Operating large power needs vertical device structure, passing current between top and bottom surface.

EDP commercialized the substrate with lightly boron-doped epitaxial layer, which has high mobility of hall. EDP continued to develop heavily boron doped epitaxial layer and succeeded to obtain low resistive diamond. EDP commercializes 2 types of low resistive diamond substrates, which will contribute to develop high power diamond devices.





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