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PARALLEL AND SERIES CONNECTIONS OF POWER SEMICONDUCTOR DEVICES

27 December 2010

The article is prepared by the specialists of the ordnance research laboratory.

Peak current and blocking voltage of power semiconductor devices are limited and it is often necessary to connect power semiconductor devices of one type in groups in order to enlarge the capacity of the equipment under development. The main connection types are the following:

- Parallel – used when it is needed to increase peak current;
- Series – used when it is necessary to increase maximum blocking voltage;
- Mixed - parallel + series.

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