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**Application Note  
 Number 7**

**Product :** MVP Series modular power supply  
**Application Overview:** Note on the Calculated MTBF using Bellcore TR-NWR000332 part count method

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**Schematic**

To calculate the MTBF of your configuration select the individual MTBF for each module and derive your MTBF according to the following:

$$\frac{1}{\text{MTBF TOTAL}} = \frac{1}{\text{MTBF1}} + \frac{1}{\text{MTBF2}} \text{ --- } + \frac{1}{\text{MTBFn}}$$

**Description**

The MTBF of the MVP series of power supplies has been calculated using Bellcore TR-NWR000332 part count method under the following conditions:

**25°C ambient temperature**

The resulting figures for MTBF are:

- MP4 Case unit.....199Khrs
- MP6 Case unit.....199Khrs
- MP8 Case unit.....128Khrs
- Single (210W) Module.....521Khrs
- Single (360W) Module.....468Khrs
- Single (600W) Module.....199Khrs
- Dual (144W) Module.....364Khrs
- Triple (44W) Module.....788Khrs