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## Application Note Number ...76.....

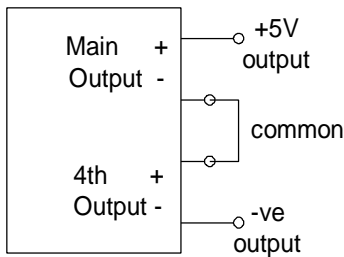
**Product :** LPQ350 series  
**Application Overview:** 4<sup>th</sup> output characteristics of the LPQ350 series

Originator: G. Fry

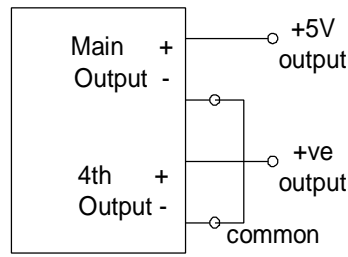
Location: Merry Hill

Date: 22 Feb 99

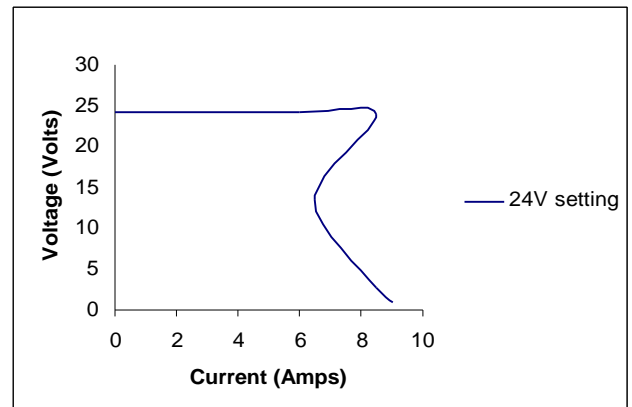
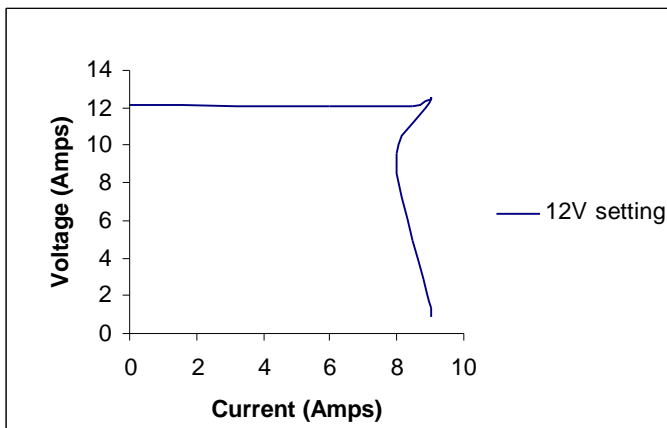
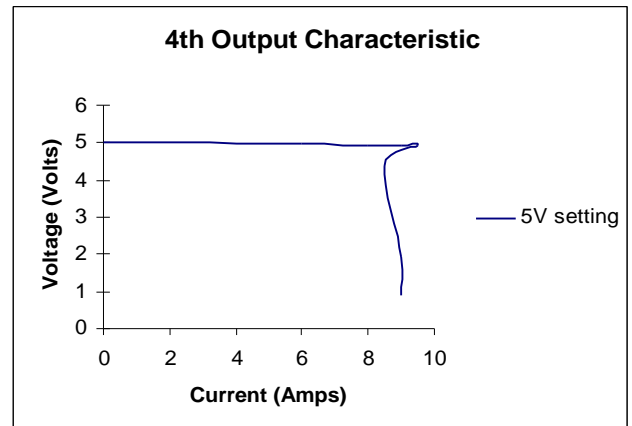
### Schematic



Configured for negative 4th output



Configured for positive 4th output



### Description

The 4<sup>th</sup> output of the LPQ350 series power supply is a fully isolated DC-DC converter. This means it is possible to configure the output to be positive or negative in relation to the other outputs. Also it is possible to series or parallel them up with the other outputs when set to the same voltage. This output can be set anywhere from 3.3V to 24V and has remote sense connections available to compensate for voltage drops down the load cables. (This feature is essential at 3.3V setting to obtain good voltage regulation with load change). This output has a constant current characteristic, the above charts show this characteristic at various voltage settings. The maximum current is set at 6A and the peak current set at 8A. The constant current limit comes in above 8A as shown above for the different voltage settings.