SWITCHING POWER, INC.

Regulated D.C. Power

SPI-APPNOTES: OUTPUT CONFIGURATIONS

This *SPI-AppNote* discusses the standard output configurations found in the Switching Power catalog. Also described is how users can specify unique versions.

STANDARD OUTPUT CONFIGURATIONS:

Each series of power supplies from SPI is offered in many standard output configurations. Our printed catalog refers to these individual versions using a 'Feature Code'. This six-digit number is repetitive throughout all catalog products. A particular Feature Code will indicate the same output voltage configuration on all series. The purpose of the Feature Codes is to assist in identifying catalog standard output configurations since the base part number does not indicate this. The Feature Code is three pairs of numbers. The first pair indicates the V1 output voltage. The second pair indicates the V2 voltage, but the third pair indicates the last output on the model. Please note that the one exception to this pattern is the Feature Code '121212'. It always indicates a 5-volt main output and three 12-volt auxiliary outputs.

When Switching Power provides a quotation for a model a top assembly number (TA#) will be provided. It will be used for order processing of all standard, modified, value-added, and custom products. The TA# will be listed on the label of the product when shipped.

The catalog models that are identified by Feature Codes are meant to address specific market segments such as VME, PCI, Telecom, etc. Very often, however, OEMs require unique outputs. On both a product's data sheet and its table in the *Power* Catalog, there is information on the design capabilities of individual outputs.

USER-SPECIFIED OUTPUT CONFIGURATIONS:

Unique outputs can be specified by the user and configured at the factory. Refer to the individual outputs' DC voltage range, maximum current capability, and maximum power. Most any set of multiple outputs within these combined limitations, and the maximum continuous power rating of the platform, can be specified. Additionally, outputs listed with an asterisk (in the *Power* Catalog) are isolated and can be factory or user-referenced for positive, negative or remain floating.

Anything within the constraints identified is considered a standard product. As a result, very often prototypes for customer evaluation will have UL/cUL markings. The result is a quick turn, unique power supply. Time to market will be like that of a modular or brick-based product, but pricing will be more competitive. R & D charges are typically not required, unless more extensive modifications are needed. Contact Switching Power directly for help setting up a user-specified version.