DC-DC converters designed for industrial and COTS military applications

Calex Mfg. Co., Inc. of Concord, California announces the availability of the HE triple output DC/DC converters. These 75 Watt converters are housed in a half brick package measuring 2.28" x 2.4" x 0.55"H. Designed for industrial and COTS military applications, the HE triple series utilizes a fully encapsulated construction with an aluminum baseplate for thermal management. The units are ideal for high shock and vibration environments as well as being well suited for high humidity environments. The operating temperature range of the HE Series is -40C to +100C. Calex offers a variety of heatsinks for extended temperature operation.

The HE series offers a 2:1 input range, 18-36VDC and 36-75VDC. Lower input voltage ranges are available, contact the factory for details. The outputs available are 3.3V and +/-12V or +/-15V; 5V and +/-12V or +/-15V. Up to 20A is available on the 3.3V outputs and up to 15A on the 5V outputs. The auxiliary outputs (+/-12V and +/-15V) provide up to +/-2A of output current. Each model is power limited at 75W on the output. All models are available with either RoHS or non-RoHS construction.

Each model in the HE Triple Series offers line and load regulation of 0.01% and 0.05% respectively on the primary output. Temperature coefficient is only 0.02%/C. Each model offers voltage trim capability, ON/OFF with positive or negative logic, pulse by pulse current limiting, short circuit frequency foldback, thermal shutdown, overvoltage protection, input reverse voltage protection and auto softstart. All models are backed by Calex's Five Year Warranty.

Lead times for the HE triple are 4 to 6 weeks after receipt of order. Contact the

factory for pricing. For more information on the HE triple output series, contact Calex at 800-542-3355 or 925-687-4411 phone, 925-687-3333 fax or www.calex.com [1]. The data sheet for the HE triple series can be found at http://www.calex.com/pdf/75wthe.pdf [2]. Calex's corporate address is 2401 Stanwell Drive, Concord, CA, USA. Calex maintains manufacturing facilities in both Concord, CA and Tijuana Mexico.

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Links:
[1] http://www.calex.com
[2] http://www.calex.com/pdf/75wthe.pdf