

## **New 6W SIP Range of DC/DC Converters from Mornsun provide a Wide Input in a Space Saving Case**

Global power conversion manufacturer Mornsun is pleased to announce the launch of two new ranges of DC/DC Converters. Part of the latest R3 product range the URB\_S-6WR3 and VRB\_S-6WR3 converters provide a single 6W output in an industry standard single-in-line (SIP) 8-PIN case.



The URB\_S-6WR3 series provides converters with a 4:1 input range of 9 – 36V, the VRB\_S-6WR3 series has a 2:1 input range with 9 – 18V and 18 – 36V models. The range features a maximum efficiency of 87% and they have input to output isolation of 1.6KV DC.

The single output voltages available in this product series include 3.3V, 5V, 9V, 12V, 15V and 24V. Typical output voltage accuracy is  $\pm 1\%$  with line regulation of typically  $\pm 0.5\%$  (full load) and load regulation (5-100% load) of  $\pm 1\%$  max. Outputs feature low ripple & noise of typically 50mV (pk-pk, 20Mhz bandwidth) and they have multiple output protections including continuous self-recovering short circuit protection and over-current protection.

These converters offer a compact solution with a case size of 22 x 12 x 9.5mm. The case is manufactured from a black plastic that is both flame and heat retardant and meets UL94V-0. The operating temperature range of these converters is  $-40^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$  and cooling is via free air convection.

This series has been designed to meet the latest safety and EMC requirements. All models meet the safety requirements of IEC62368, EN62368 and UL62368 and EMC requirements according to CISPR32/EN55032 Class B,

These modules offer high reliability, MTBF 1000K hr's min (MIL-HDBK-217F@25°C). The reliability of these devices is enhanced by a fully automated manufacturing process which ensures high precision and repeatability with the result being a more cost-effective product.

The compact nature and wide input voltage of these converters makes them suitable for a wide range of applications including industrial control, grid power, instrumentation and communication.