

Medical-Grade DC/DC Converters



RECOM announces the release of three new medical-grade DC/DC converters with 250VAC/2MOPP certification. The REM3, REM6 and REM10 series offer 3W, 6W or 10W output power, respectively in a DIP24 case.

RECOM's REM3, REM6, and REM10 medical grade regulated DC/DC converters feature reinforced 5 kV_{AC}/1 minute isolation with low 2 μ A leakage and are 60601-1 3rd Ed. certified for 250 V_{AC} continuous working. The compact DIP24 package offers 2:1 or 4:1 input voltage ranges and tightly regulated single and dual outputs, even under no-load conditions. The outputs are short circuit and overload protected. The high efficiency of 89% means that the operating temperature is from -40°C to 105°C. The

converters are available in two different pinning options, and optionally with an external control pin for standby consumption as low as 12.5 mW. The converters are fully certified to CB, IEC/EN, and ANSI/AAMI standards and carry the CE and UL marks and come with a 3-year warranty.

Features

- Reinforced insulation for 250 V_{AC} working voltage
- Clearance and creepage distance: 8 mm
- 5 kV_{AC} I/P to O/P 2MOPP isolation
- 2 μ A patient leakage current
- Industry standard pinout
- 2:1 and 4:1 wide input range
- 3 year warranty

Applications

- Medical equipment
- Monitoring systems
- Therapy systems

Datasheets and additional information can be found on: www.recom-international.com