

*Overview:*

The VRM-A2705 is a 3U size CompactPCI analog output board equipped with 12-bit resolution and 8 output channels, voltage range can be set to  $\pm 10V$ , 0 to 5V for each channel, Photo-coupler isolation between output and the system, Full HotSwap capability, Sample program support for VxWorks, Device driver support for Windows NT and 2000 and device driver support for VxWorks (paid option).

*Specifications:*

- **Output:** Number of channels: 8 channels
- Resolution: 12-bit
- Conversion time: 5 $\mu$ s per channel
- Overall accuracy:  $\pm 0.3\%$  (25°C  $\pm 10^\circ$ C)
- Output voltage range:  $\pm 10V$ , 0 to 10V, 0 to 5V
- Output current: Up to  $\pm 5mA$
- Isolation method Photo-coupler isolation (no isolation between channels)
- Withstanding voltage AC500V for one minute
- Protection circuitry: Short-circuit protection circuitry
- **Bus interface:** 33MHz CompactPCI bus
- Data bus width: 32 bit
- Space required: contiguous 64Bytes in PCI I/O space
- Interrupt line: not used
- Power requirements: 5V $\pm 5\%$ , (received from bus) TBD
- **Connector:** 37-pin Dsub connector (female)
- **Board size:** 3U single slot width 165mm x 100mm x 20mm (excluding protrusions)
- **Environmentals:**
- Operating temperature range: 0 to 55°C
- Storage temperature range: -20 to 70°C
- Operating humidity range: 35 to 90% RH (non-condensing)
- Storage humidity range: 10 to 90% RH (non-condensing)

**VRM-A2705:** 3U size standard

**VRM-A2705-6U:** with 6U front panel option

**VRM-A2704-VX-X86:** Device driver for VxWorks (for x86)

