

Welcome:

Here is the March edition of TecNews, the monthly newsletter from Verotec.

This month we review Verotec's latest new product, the Veroshield Rack Case. Veroshield provides EMC screen for rack mounted electronic systems giving up 40 dB attenuation at 1GHz

In recent projects we look at a special module produced by Verotec for a customer with a very specific RF application.

Latest News:

March 2011 marks the end of another successful year at Verotec with UK sales growing 12% over the previous year. We're also starting 2011/12 with a record value forward order book, proving that UK manufacturing is alive and kicking.

The next 12 months will see Verotec continuing its policy to commit to large stock holding of our standard products, investing in new designs and working more in the industrial / embedded systems market.

If you would like to know more then please contact Verotec's sales team on 02380 246900 or e-mail: sales@verotec.co.uk

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Product Feature: Veroshield - EMC Rack Case

The new Veroshield EMC Rack Case has been designed to provide system and instrument manufacturers with a "screened" solution for rack mounting equipment in 19 inch Cabinets. Based upon the Verotec's highly successful 19inch Rack Case, the Veroshield Rack Case includes an inner steel front panel and an aluminium "decorative" front panel with front panel handles. The inner front panel, base, lid and rear panels are all manufactured from 0.9mm thick galvanised steel and the decorative front panel 3mm aluminium.

The galvanised finish of the steel provides a conductive coating which is also highly resistant to corrosion and the steel construction also provides a stronger level of magnetic hysteresis when compared with designs constructed of aluminium. The top and rear panels are removable to allow easy access to the components inside. The fixing are set at a uniform pitch to provide an electrical bond and reduce the possibility of gaps between the panels.

Due to its sheet metal construction the Veroshield case can easily be modified by punching or drilling to allow the case to accept cable glands, switches or displays, although these would have to be suitably screened versions.

The "decorative" aluminium front panel is 3mm clear anodised aluminium sheet and maintains a uniform frontal appearance with other 19inch rack mounting equipment. The front panel handles, which are fitted as standard, facilitate the removal of the Veroshield case from the rack it is mounted to.



Veroshield cases are available in 1,2 and 3U heights and a single depth of 370 mm. They are compatible with chassis supports to facilitate mounting in a cabinet.

Recent Projects: High Frequency Shielded Modules

Verotec has recently designed, manufactured and delivered a large number of special, high frequency shielded modules to a leading UK scientific research establishment. Based around the standard Eurocard form factor but with increased depth, the units were required for a specific application to house a fixed length, EM sensitive conductor meaning a design with excellent EMC performance was required. A die was tooled to obtain a complete, large-profile aluminium extrusion which was closed either end with a machined and screened Verotec KM6-RF shielded front panel. Beryllium Copper gaskets were used around the front and rear apertures to further seal the unit.

