

PRESS INFORMATION

Preview for EMV 2019 - Stuttgart, Germany, 19-21 March 2019

SPOTLIGHT ON: NEW high power, dual combined version of TMD's PTCM Series intelligent modular instrumentation amplifiers.

At EMV 2019, TMD Technologies Limited, world class, West London based manufacturer of professional microwave and RF products, will once again be demonstrating its proven capability in the EMC/EMI field to a wide spectrum of professionals attending from industry, commerce, defence and science.

Following the showcasing of TMD's intelligent, modular PTCM Series TWT (Travelling Wave Tube) instrumentation amplifiers last year, at EMV this year TMD will be focusing on a ***new ultra high power, dual combined version*** of the amplifier.

New Dual PTCM amplifier



The Dual PTCM offers all the user benefits of the standard PTCM Series.

TMD has years of experience in power combining techniques to achieve the higher powers required for the more challenging EMC HIRF (High Intensity RF) testing applications. This has now enabled the company to offer power combined amplifiers in its advanced PTCM range – with all the standard built-in user benefits, including rugged modular design, advanced self-diagnosis, graphical user interface, and remote management.

Designed for the most demanding EMC HIRF testing applications, TMD's new Dual PTCM units deliver more than 10 kW pulsed and greater than 4 kW CW, mainly covering the range 2-18 GHz. The exceptional performance is achieved by combining two TWTs and high voltage power supplies within one rack mountable amplifier – thus maintaining a single input and output.

Also on show - standard, single version PTCM Series

TMD's total capability is exemplified by the recently introduced PTCM Series of intelligent, modular TWT based RF instrumentation amplifiers.

“This innovative product has everything”, said Imad Gharib, TMD's Sales Manager, RF and Microwave Amplifiers, “offering the highest performance and a wealth of operational benefits in a compact package. It suitable for not only EMC/EMI but for many scientific, medical and other applications.”

The standard PTCM Series units operate over a frequency range from DC to 40 GHz with a power output up to 50 kW. Of customisable 6U high rack mounting construction, they are designed to deliver the highest field strengths in the test environment. The user benefits provided by these highly intelligent amplifiers include self-test, fault diagnosis, modular plug and play replaceable printed circuit boards, Ethernet remote control and monitoring, and VSWR reflected power protection. A 'system-on-chip' (SOC) controls and synchronises all power conversion circuitry in

real time, including all the monitoring, control, data logging and user interface functionality.



TMD's standard PTCM Series offers superior user interface and maintainability – combined with an unbeatable host of operational benefits!

Furthermore, the modular 6U system allows several configuration options according to customers' requirements.

Built to demanding military standards, with excellent thermal management, the PTCM Series amplifiers provide the highest MTBF.

Customised units and turnkey systems

Not only does TMD offer a full range of microwave products for EMC/EMI applications but, as part of its comprehensive support portfolio, it can supply customised units to customers' own specifications, as well as providing full turnkey systems.

TMD Team at EMV 2019

Imad Gharib, Sales Manager, RF and Microwave Amplifiers

Andy Crawford, Head of After Sales and Support Worldwide

TMD Technologies Limited – more than 20 years at the top of scientific and technical microwave and RF innovation

With a heritage dating back to the 1940s, TMD Technologies Limited (TMD) is a world class designer and manufacturer of professional microwave and RF products. At the company headquarters in Hayes, West London it produces specialised transmitters, amplifiers, microwave power modules (MPMs), high voltage power supplies, microwave tubes and transponders for radar, EW and communications applications. A previous twice Queen's Award winner, it also produces a range of advanced instrumentation microwave amplifiers for EMC testing, scientific and medical applications.

TMD Technologies, LLC, USA

TMD Technologies, LLC is the US subsidiary of TMD Technologies Limited. Based in Baltimore, Maryland, it provides complete technical and commercial support to TMD's customers in the USA, and offers a comprehensive product repair centre.

The Sales and Business Development Department is engaged in the sales of the whole range of TMD's products, as well as new business development in the United States.

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