

PRESS INFORMATION

Preview for;

Eurosatory 2018
Paris, France
11-15 June 2018

TMD exhibits a range of TWT and solid state based MPMs for advanced radar and EW defence and security systems - on Stand 12, ADS UK Pavilion

World leader, West London based, TMD Technologies Limited (TMD) – specialising in professional products for applications in the defence microwave and RF field – will be showing a range of microwave power modules (MPMs) plus intelligent instrumentation amplifiers at Eurosatory 2018 in Paris.

“The Eurosatory exhibition provides the ideal venue for showcasing our latest products to the international land and airborne defence and security community”, said Steve Humphries, TMD’s Territory Manager, Europe and Africa. “Moreover, being part of the ADS UK Pavilion, hosted in partnership with the UK government, offers us a great opportunity to meet with just the right senior staff, government officials and delegations.”

“We have taken a stand at Eurosatory several times before”, said Stuart Love, Senior Sales Manager, UK and Europe, “and each time we have received great interest in our microwave products. This time we are showcasing several of our very latest MPMs, namely: the new travelling wave tube (TWT) based 30-40 GHz Ka band PTX8807, high-power 6-18 GHz PTX8110 and high-power 34-36 GHz Ka band PTX8815 – products not to be missed by all those involved with high performance radar and EW systems!” (see below).

New line of TWT based Ka band MPMs

The PTX8807 heralds a new line of TWT based, Ka band compact MPMs from TMD. It features simplified integration for high performance EW and radar systems and provides an output power of up to 200 W over a 30-40 GHz range. Comprising a high-power Ka band helix TWT and switched mode power supply it forms a single 'drop-in' unit without the need for high voltage connections, and eliminating any associated reliability problems.



TMD's PTX8807 is easily integrated into a variety of airborne platforms.

High electrical efficiency ensures the minimum cooling requirements, with reliable operation over a wide temperature range. The PTX8807 provides top performance at high altitude and in high humidity, and is easily integrated into a variety of airborne platforms. It also features remote operation and status monitoring.

PTX8110 MPM for high performance radar and EW systems requiring higher power

The new PTX8110 operates from 6-18 GHz at 200 W and, with its compact design, is easily integrated into those high performance EW and radar systems requiring more power. Comprising a high-power helix TWT and switched mode power supply, the PTX8110 forms a single 'drop-in' microwave amplifier unit without the need for potentially unreliable high voltage TWT interconnections. A low gain TWT is specified together with a low noise solid state pre-amplifier to provide optimum noise performance.

PTX8815 Ka band MPM for high performance radar

The new PTX8815 TWTA from TMD is designed for Ka band radar applications such as naval fire control. Featuring broadband capability, covering 34–36 GHz, it offers a peak power of over 1100 W in the mid-band, and 600 W at the band edges with a maximum duty of up to 12%. This top class TWTA is the answer to high fidelity radar requirements for low close-to-carrier phase noise and spurious performance.

PTS6900 solid state MPM optimised for EW/ECM

TMD's solid state PTS6900 MPM epitomises the company's expertise in solid state technology. Employing advanced GaN MMIC technology, the unit offers high performance over a 2-6 GHz range with an output power of 150 W, and is designed for fast integration into EW/ECM systems. Because of its superior design and construction, the PTS6900 has a predicted 30,000 hours MTBF in an airborne uninhabited fighter environment.

PTXM Series ultra compact MPMs – for airborne radar, EW and communications

Also on show will be the PTXM Series ultra-compact MPMs. Featuring low volume and low weight these units are ideal for UAVs. They operate over the frequency range 4.5 to 18 GHz with output powers up to 140 W, and offer probably the highest power density on the market.

PTCM Series - ideal for radar and EW threat simulation

The PTCM Series TWT intelligent instrumentation amplifiers 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.



The PTCM amplifier is ideal for radar and EW threat simulation applications.

TMD at Eurosatory 2018

Steve Humphries, Territory Manger, Europe and Africa

Stuart Love, Senior Sales Manager, UK and Europe

Chetna Wagjiani, Marketing Manager

Said Chetna: “Attending Eurosatory with a strong sales team has always resulted in important new contacts and business opportunities for the company, and with so many of our latest advanced products on show, this year promises to be no exception”.

.....

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 and microwave tubes 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.

[For further information and digital images please contact:](#)

Heather Skinner, Senior Manager, Marketing and Communications

TMD Technologies Ltd

Tel: +44 (0)20 8581 5002

Fax: +44 (0)20 8569 1839

Email: heather.skinner@tmd.co.uk

Website: www.tmd.co.uk

Or:

Chetna Wagjiani, Marketing Manager

TMD Technologies Ltd

Tel: +44 (0)20 8581 5116

Fax: +44 (0)20 8569 1839

Email: chetna.wagjiani@tmd.co.uk

Website: www.tmd.co.uk

**TMD Technologies Limited, Swallowfield Way, Hayes, Greater London UB3
1DQ, UK**