

## ***PRESS INFORMATION***

Preview for:  
**European Microwave**  
**Madrid, Spain**  
**23-28 September 2018**

### **TMD participates at European Microwave again!**

***- to show its very latest TWT and solid state MPMs, amplifiers and transponders for radar, EW, communications and EMC testing, on Stand 405***

At European Microwave 2018, TMD Technologies Limited (TMD), world class, West London based company specialising in professional microwave and RF products, will be showcasing its newest microwave power modules (MPMs) and highly intelligent instrumentation amplifiers - as well as a selection of advanced radar transponders.

#### **Impressed with the quality of contacts**

Said Steve Humphries, TMD's Territory Manager, Europe and Africa:

"Last year we were so impressed with the quality of contacts we made at European Microwave, that we had no hesitation in deciding to return again this year. "Last year we welcomed important visitors - including academics, government and defence figureheads, from all over the world - and we look forward to renewing these contacts."

"The European Microwave Week is a great event for meeting up with all those involved in the field of microwave, RF, wireless, and radar", said Stuart Love, TMD's Senior Sales Manager, UK and Europe. Moreover, with the venue this time in Madrid, it gives us the occasion to explore emerging business opportunities in the Iberian Peninsular."

### **On Show - latest TWT Ka band and high power MPMS**

At the European Microwave exhibition TMD will be showing its very latest MPMS, namely the new travelling wave tube (TWT) Ka band PTX8807, high-power PTX8110 and high-power Ka band PTX8815 – designed and engineered for high performance radar and EW systems.

The new PTX8807 MPM 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.

Operating from 6-18 GHz at 200 W, the new PTX8110 features compact design, is easily integrated into those high performance EW and radar systems requiring higher power. Comprising a high power helix TWT and switched mode power supply, the PTX8110 is designed to provide optimum noise performance.

The new PTX8815 TWTA is designed for Ka band radar applications such as naval fire control. With 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.

### **Also – solid state and ultra compact MPMS, instrumentation amplifiers, and transponders featured.**

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

For airborne radar, EW and communications, the PTXM Series ultra-compact MPMS feature low volume and low weight and are ideal for UAVs. They operate over the frequency range 4.5 -18 GHz with output powers up to 140 W, and offer probably the highest power density on the market.

The PTCM Series TWT intelligent instrumentation amplifiers are ideal for radar and EW threat simulation, They operate over a frequency range from DC to 40 GHz with a power output up to 50 kW and are designed to deliver the highest field strengths in the test environment. User benefits include self-test, fault diagnosis, and modular plug and play replaceable printed circuit boards.

TMD will also be highlighting the range of radar transponders from G2 Engineering Ltd, its recently acquired specialist microwave company. Applications for G2 transponders and support equipment include UAVs, missiles, and manned aircraft.



*Miniature transponder – now part of TMD’s portfolio of microwave and RF products.*

### **Sales team at European Microwave 2018**

Steve Humphries, Territory Manager, Europe and Africa

Stuart Love, Senior Sales Manager, UK and Europe

**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, including 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:](#)**

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