

## ***PRESS INFORMATION***

***8 August 2017***

*Preview for:*

Defence & Security Equipment International (DSEI) 2017,  
ExCel, London,  
12-15 September 2017

### **TMD introduces two *NEW* microwave power modules (MPMs) for radar and EW at DSEI 2017, London**

***- on Stand S3-255, ADS UK Pavilion***

At DSEI 2017, on Stand S3-255, TMD Technologies Limited (TMD), a specialist West London based SME in the microwave and RF field, will be introducing two new TWT based microwave power modules (MPMs): The PTX8110, 6-18 GHz, 200 W unit and the PTX8815, Ka band, 1100 W unit.

#### ***NEW - PTX8110 compact, high power MPM for radar and EW***

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 higher power.

Comprising a high power helix travelling wave tube (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 Preamplifier to provide optimum noise performance. It features high electrical efficiency, needs a minimum of cooling and operates over a wide temperature range - at high altitude and high humidity,

### **NEW 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 GHz–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. This development follows the launch last year of the PTX8807 Ka band, 200 W MPM which is aimed primarily at EW applications and which will also be featured at this year's show.

### ***Also on show* – PTS6900 solid state MPM**

Emphasising its capability in advanced solid state innovation, TMD will be exhibiting the PTS6900 MPM – which employs the latest GaN MMIC technology. This MPM is optimised for EW/ECM systems, and operates over the 2-6 GHz range with a power output of 150 W and adjustable 55 dB gain. It features a very high predicted MTBF in an airborne uninhabited fighter environment.

### ***... and* TWT based PTXM series ultra-compact MPMs**

Offering very low volume and weight, TMD's TWT based PTXM Series are designed for airborne radar, EW and communications and are ideal for UAVs. They operate over the 4.5 to 18 GHz range with output powers up to 140 W. Incorporating mini TWTs and super efficiency packaging, they offer probably the highest power density on the market today.



*TMD's MPMs are in continual development.*

## **DSEI – ‘Major event for TMD’**

“DSEI is always a major event for us”, said Jane McAlister, TMD’s Sales and Business Development Director, “and we always field the strongest sales team. The exciting mix of delegates, including country state ministers, international armed forces decision makers, home security representatives and key industry players from the private sector has resulted in more trade contacts for us than at any other exhibition – and being part of the ADS UK Pavilion is a bonus in itself.”



*Jane McAlister: ‘More contacts’.*

### **The sales team at DSEI 2017 will include:**

Jane McAlister, Sales and Business Development Director  
Nigel Hann, Head of Sales  
Andy Crawford, Head of After Sales and Support Worldwide  
Stuart Love, Senior Sales Manager, UK and Europe  
Steve Humphries, Territory Manager, Europe and Africa  
David Bullas, Head of Region Asia Pacific  
Richard Patrick, Business Development Manager  
Heather Skinner, Publicity Manager  
Chetna Wagjiani, Publicity Assistant

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



For more than 20 years TMD Technologies Limited (TMD) has been 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 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 and repair centre. The Sales and Marketing Department is engaged in the sales of the whole range of TMD's products, as well as new business development in the States.

#### ***For further information and digital images please contact:***

Heather Skinner, Publicity Manager  
TMD Technologies Ltd  
Tel: +44 (0)20 8581 5002  
Fax: +44 (0)20 8569 1839  
Email: [heather.skinner@tmd.co.uk](mailto:heather.skinner@tmd.co.uk)  
Website: [www.tmd.co.uk](http://www.tmd.co.uk)

#### **Or:**

Chetna Wagjiani, Publicity Assistant  
TMD Technologies Ltd  
Tel: +44 (0)20 8581 5116  
Fax: +44 (0)20 8569 1839  
Email: [chetna.wagjiani@tmd.co.uk](mailto:chetna.wagjiani@tmd.co.uk)  
Website: [www.tmd.co.uk](http://www.tmd.co.uk)

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