

## ***PRESS INFORMATION***

*Preview for:*

**EW Europe 2017**  
Olympia, London UK  
6-8 June 2017

**TMD exhibits new PTX8807 Ka band TWT based MPM  
for first time at EW Europe  
- plus other latest ultra-compact solid state and TWT based MPMs  
for defence systems.**

On Stand 23, TMD Technologies Limited (TMD), West London based, world class manufacturer of professional microwave and RF products, will be showing its new line of PTX8807 Ka band TWT (Travelling Wave Tube) based MPMs (Microwave Power Modules) for high performance EW and radar systems. Also on show will be TMD's solid state PTS6900 and TWT based PTXM Series MPMs.

### **Expertise in Electronic Warfare**

These advanced products underline TMD's reputation and expertise in EW/ECM and radar, where the company has supplied products for airborne, ground based and naval platforms.

Stuart Love, TMD's Senior Sales Manager, UK and Europe said: "We are very pleased to be back at EW Europe again – this time on our own turf, in London! Organised under the auspices of the high status Association of Old Crows, it allows us to participate in one of the most focused events in the industry – where we will have an ideal platform to show our latest products to the world's defence and security community and where, in the light of current and emerging threats, the future of EW and ECM operations in the free world will be explored to the full."

"Furthermore", said Steve Humphries, TMD's Territory Manager, Europe and Africa. "the hugely popular Networking Evening unites exhibitors, delegates, visitors and VIPs in a social environment and allows us to make important contacts with people that we perhaps would not see during the busy working exhibition day."

## **PTX8807 – counter measures against threats**

TMD's new line of TWT based MPMs is exemplified by the PTX8807. Operating in the technically challenging 30-40 GHz Ka band, this 200 W output MPM addresses



*TMD's PTX8807 - solutions to missile threats*

the solution to providing effective counter measures against operating systems emerging in Ka frequency range – such as missile threats.

The PTX8807 is easily integrated into EW and radar systems, and comprises a high power helix TWT and switched mode power supply to form a single drop-in unit without the need for potentially unreliable high voltage connections. It requires minimum cooling, operates over a wide temperature range, at high altitude and in high humidity, and is easily incorporated into a variety of airborne platforms.

The MPM also features remote operation and status monitoring.

## **PTS6900 – high MTBF in uninhabited fighter environment.**

The solution for fast integration into EW/ECM systems - airborne or ground based - this latest solid state PTS6900 MPM from TMD employs advanced GaN MMIC technology and operates over the 2-6 GHz range with 150 W output and adjustable 55 dB gain.

The PTS6900 provides instant start time, fast mute time, low output noise, and functions in the face of inadvertent output mismatches (VSWR). It boasts a very high predicted MTBF of 30,000 hours in an uninhabited fighter environment! Furthermore it is ITAR-free – a distinct advantage to non-US customers.

## **PTXM Series – *ideal for UAVs***

TMD's PTXM Series ultra compact MPMs are designed for airborne radar, EW and communications, and are ideal for applications where low volume and weight are critical – as on UAVs. They operate over the frequency range 4.5 to 18 GHz, with power outputs up to 140 W, and incorporate mini TWTs and super efficiency packaging to offer perhaps the highest power density on the market today.

## **TMD at EW Europe 2017**

Stuart Love, Senior Sales Manager, UK and Europe

Steve Humphries, Territory Manger, Europe and Africa

Chetna Wagjiani, Publicity Assistant

## **TMD Technologies Limited – More than 20 years at the top!**



TMD Technologies Ltd is one of the world's leading designers and manufacturers of specialised transmitters, amplifiers, microwave power modules (MPMs), high voltage power supplies and microwave tubes for radar, EW and communications applications. The multiple Queen's Award winning company 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 Ltd, set up in Baltimore, Maryland in 2013; its purpose being to provide excellent commercial and technical support to TMD's customers in the USA. The company is now well established, the product repair and service centre is up and running and its Sales and Marketing Department is engaged in new business development in the USA - for the whole range of TMD's products.

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