

***PRESS INFORMATION***

From TMD Technologies Limited

*Preview for:  
Electronic Warfare GCC 2016  
Abu Dhabi, UAE  
25-26 October*

**TMD exhibits for first time at EW exhibition in UAE  
- showing *NEW and latest products for Electronic Warfare*  
on Stand 26, at EW GCC 2016**

Exhibiting for the first time at an EW exhibition in the UAE, TMD Technologies Ltd (TMD), major West London based manufacturer in the microwave and RF field, will be showing a representative selection of advanced products for Electronic Warfare on Stand 26.

Highlighting its high proven capability in EW, TMD will be showcasing its newest microwave power modules (MPMs): namely the very recently launched TWT based PTX8807 and the solid state PTS6900.

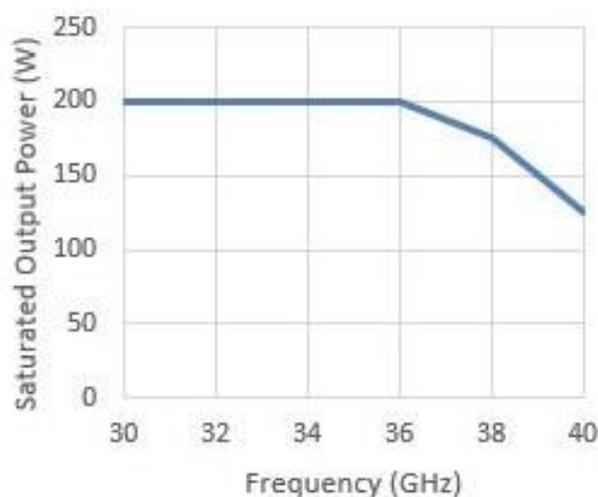
**A key market**

*Jane McAlister: 'Middle East expansion'.*

“This is the first time we have exhibited at an EW event in the UAE,” commented TMD’s Sales and Business Development Director, Jane McAlister, “and it is a direct result of our planned on-going expansion into the Middle Eastern markets. I see this area as offering great potential as yet untapped. The EW GCC event is supported by the region’s elite intelligence and military community, and both my Head of Sales, Nigel Hann and I will be attending this important EW venue to take up every opportunity of moving forward with our growth targets.”

### **PTX8807 – recent launch**

Launched only recently in the UK at the Farnborough Airshow in July, TMD’s new line of Ka band, compact TWT based MPM’s has been designed to meet the most demanding needs of modern EW and radar systems. The very first of the new line is the PTX8807 MPM – operating over the 30-40 GHz range with a power output of up to 200 W at 100% duty cycle.



*TMD’s new line of Ka band compact MPMs is exemplified by the PTX8807 – operating over the 30-40 GHz range up to 200 W output power (100% max duty cycle).*

The PTX8807 offers simplified integration for high performance EW and radar systems. With its high power Ka band helix travelling wave tube (TWT) and matched high density switched mode power supply it forms a single ‘drop-in’ microwave amplifier unit. This means that high voltage TWT interconnections are eliminated, along with associated safety and reliability hazards. Also, using just the one MPM, instead of a separate TWT and power supply, simplifies spares logistics and maintenance.

The PTX8807 is configured to incorporate a variety of TWT models, allowing customers to specify particular duty, frequency and peak power parameters. Also, TMD engineers have optimised factory settings for TWT performance, removing the need for user adjustments and thus simplifying any replacement in the field. The new MPM also features high electrical efficiency – requiring minimum cooling and providing high reliability over a wide operating temperature range.

The high voltage section is fully encapsulated, so the PTX8807 is able to operate at very high altitudes and in high humidity environments, thus allowing easy and trouble-free integration into a variety of airborne platforms.

Remote operation and status monitoring is also featured, with internal diagnostic outputs and indicators available for BIT purposes.

### **The best of both worlds**

Providing its customers with the best of both worlds, TMD offers both high performance TWT based *and* solid state MPMs.

Optimised for EW/ECM systems, and employing advanced GaN MMIC technology, TMD's latest solid state PTS6900 MPM operates over the 2-6 GHz range, with 150 W output power and adjustable 55 dB gain. It has a very high predicted MTBF for an airborne uninhabited fighter environment.



*TMD's solid state PTS6900 MPM – optimised for EW/ECM systems.*

## **TMD fields a strong team at EW GCC 2016**

Jane McAlister, Sales and Business Development Director

Nigel Hann, Head of Sales

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



*TMD's headquarters in West London.*

*Last year, the company celebrated 20 successful years at the top of its profession as an independent design and manufacturing SME in the microwave and RF field.*

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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