

21 October 2019

**PRESS INFORMATION**

from TMD Technologies, LLC, USA

Preview for:  
56th Annual AOC International Symposium and Convention  
Washington D.C. USA  
28-30 October 2019

**TMD Technologies, LLC exhibits latest MPMs focusing on high power  
and advanced Ku/Ka band technology  
on Booth 721 at AOC 2019**

TMD Technologies, LLC (TMD-US), supplier of professional world class microwave and RF products, will again be exhibiting at the prestigious, traditional gathering of the EW community at the AOC Symposium in Washington DC at the end of October. On Booth 721, TMD-US will be showing a representative selection of its advanced EW/ECM products for airborne, ground based and naval platforms.

Tom Curtin, Vice President, Sales and Business Development said: “The Association of Old Crows (AOC) International Symposium brings together some 2,000 professionals from 25 countries and gives us the opportunity to meet all those involved in Electronic Warfare (EW) and its associated fields. We look forward to welcoming representatives from industry, military and government sectors worldwide to our stand in October.”



Meeting customers at the TMD Booth from TMD-US will be: Tom Curtin, Vice President, Sales and Business Development; Mike Ryan, Senior Account Executive and Bryan Herndon, Sales Engineer - supported by Nigel Hann, Head of Sales TMD-UK.

Nigel said “In this TMD UK’s 75<sup>th</sup> anniversary year, we are especially glad to be meeting our friends and colleagues again at the AOC Symposium. TMD has been active in the EW industry for many years and most recently we have particularly focused on product innovations for EW, a good example being our PTX8807 Ka band MPM”.

## **TMD-US shows range of Microwave Power Modules (MPMs) for the EW professional**

### **PTX8807 – the solution to missile threats**

The new PTX8807 TWT based MPM addresses the solution to providing counter-measures against increasing operating systems emerging in the Ka frequency range – such as missile threats.

Covering the 30-40 GHz Ka band with 200 W output power, the PTX8807 is easily integrated into EW and radar systems. It 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 connection, and is easily incorporated into a variety of airborne platforms.

### **PTX8110 for high performance 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.

### **Solid state MPMs for fast system integration**

Whether for airborne or ground-based operation, TMD's flagship solid state PTS6900 MPM is the solution for fast integration into EW/ECM systems. It employs advanced GaN MMIC technology and operates over the 2-6 GHz range with 100 W output and adjustable 55 dB gain. The PTS6900 has very high predicted MTBF of 30,000 hours in an uninhabited fighter environment. Higher power solid state MPMs are also available in this frequency range, the PTS9734 at 150 W and the PTS6963 at 180 W.

### **PTXM Series TWT based MPMs – ideal for UAVs**

TMD's PTXM Series ultra-compact MPMs are designed for airborne radar, EW and communications. 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. With low volume and low weight, they are ideal for applications such as UAVs.





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## **TMD Technologies – building on more than 75 years as an industry leader of scientific, technical microwave and high power RF innovation**

### **TMD Technologies, LLC, USA**

TMD Technologies, LLC is the US subsidiary of UK, West London based TMD Technologies Limited. Established in Baltimore, Maryland, TMD-US provides complete technical and commercial support to TMD’s US customers and offers a comprehensive product repair center.



The US Sales and Business Development team is fully trained and actively involved in supporting TMD’s entire product line-up, including TWTAs, MPMs and HVPSs along with new business development in the United States.



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TMD Technologies, LLC

## TMD Technologies Ltd, UK



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 West London UK, it produces specialized transmitters, amplifiers, microwave power modules (MPMs), high voltage power supplies, microwave tubes and transponders for radar, EW and communications applications. Having twice been a Queen's Award winner, it also produces a range of advanced instrumentation microwave amplifiers for EMC testing, scientific and medical applications. All of TMD's portfolio of high-power microwave products are available to customers in the USA.



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