

## **PRESS INFORMATION**

**from TMD Technologies, LLC, USA**

2 May 2021

*Preview for:  
International Microwave Symposium  
Atlanta, USA  
7-10 June 2021*

### **TMD USA is back at IMS!**

*with New MPMs for EW and high-performance radar systems on show.*

TMD Technologies, LLC (TMD USA), a world class supplier of advanced microwave and RF products, will be showcasing its latest innovations on Booth 1553 at the International Microwave Symposium (IMS) 2021 in Atlanta, Georgia.

#### **Meeting up again:**

Said Tom Curtin, Vice President, Sales and Business Development: “Since the last IMS exhibition we have introduced four new MPMs (Microwave Power Modules), namely the PTXM9754, PTX8808/8811, and PTS10147 solid state power amplifier (SSPA) to our portfolio of microwave products for radar, EW, and defence/homeland security programs”.

“IMS is the world’s largest microwave and RF industry trade show, with participants from over 50 countries, and we look forward to meeting up again with our growing customer base and welcoming new visitors to discuss their microwave product requirements in an organised Covid-safe environment.”

#### **NEW & On Show: PTXM9754 – supporting the US Military’s radar, EW, and communications systems.**

This advanced unit has been designed in direct response to unprecedented demand for a drop-in replacement as an alternative to existing 6-18 GHz 100 W (minimum) MPMs. Following a high-priority development project at our design and manufacturing facility in

London, UK, TMD has produced a superior high-performance amplifier, built to stringent specifications, and readily available to support existing and new DoD programs. It utilizes a 'super-mini' travelling wave tube (TWT), a solid-state preamp, and an optimized high density switched-mode power supply to form a single 'drop-in' amplifier block. This design provides an FFF (form, fit, function) equivalent to existing 6-18 GHz MPMs installed across many shipboard, airborne, and ground-based systems.

**NEW & On Show: PTX8808/PTX8811 - TMD extends its position as leader in EW power amplifiers and radar systems.**

The new PTX8808 and PTX8811 operate in the technically challenging Ka frequency band and are designed to meet the exacting needs of today's electronic warfare (EW) and high-performance radar systems. Replacing the earlier PTX8807 the new MPMs between them cover the extended frequency range of 26.5 to 40 GHz, with power outputs of 60 to 160 W (CW/pulsed, 100% duty cycle). The PTX8811 employs a narrower frequency range, allowing it to be optimized to provide higher power. TMD's PTX8808 and PTX8811 employ a Ka band helix, mini-travelling wave tube (TWT) and a matched, high density switched mode power supply to form a single drop-in microwave amplifier unit.



*The PTX8808 and PTX8811 meet the demands of today's high-performance EW and radar systems.*

**NEW & On Show: PTS10147 – Enabling the latest wideband SSPA technology.**

The new TMD PTS10147 is a 100 W, broadband 2-6 GHz high power MPM employing the latest GaN solid state technology and providing a linear gain of about 60 dB. It is a top performance amplifier, offering an industry leading high power-to-volume ratio for such an advanced microwave product. This MPM is particularly well suited to EW applications and, with its small size and weight, is ideal for radar or EW installations in UAVs/drones. Currently, the PTS10147 is successfully deployed in an electronic attack (jamming) man-portable system.



*The compact PTS10147 has an outstanding power-to-volume ratio.*

**Also, on show.**

TMD will also be exhibiting other models in its PTXM range of MPMs, and a selection from its range of tracking radar transponders.

**TMD people attending.**

**TMD USA:** Tom Curtin, VP of Sales and Business Development, Bryan Herndon, Sales Engineer.

**TMD UK (If COVID restrictions permit):** Nigel Hann, Sales Director and Andy Crawford, Head of After Sales and Support Worldwide

**ENDS**

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## TMD Technologies, LLC, USA



*Leader in scientific, professional microwave and high-power RF innovation*

TMD Technologies, LLC is the US subsidiary of UK company TMD Technologies Limited. Established in 2013 in Baltimore, Maryland, TMD USA provides complete technical and commercial support to TMD's US customers and offers a comprehensive product repair center. We operate under a State Department SSA, and all employees are cleared.

The US Sales and Business Development team is fully trained and actively involved in supporting TMD's entire product line-up, including TWTAs, MPMs, HVPSs, Commercial amplifiers, Transponders, and SSPAs along with new business development in the USA.

## **TMD Technologies Limited. Leaders in scientific and technical microwave and RF innovation and quantum-enabled technology**



*TMD's headquarters design and manufacturing facility in West London, 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 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 two-time Queen's Award winner, it also produces a range of advanced instrumentation microwave amplifiers for EMC testing, transponders for missile range test, and Solid-State Power Amps for MPMs and TWTAs.

TMD is also making on-going, substantial investment developing quantum-enabled technology under the UK National Quantum Technologies Programme (UK-NQTP).

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