

PRESS INFORMATION

Preview for:

EW Europe 2018

Lausanne, Switzerland

5-7 June 2018

TMD highlights new TWT based Ka band MPM and high power 6-18 GHz MPM on Stand B2

TMD Technologies Limited (TMD), world class, London based manufacturer of professional microwave and RF products, will be showing a representative selection from its advanced TWT based and solid state MPM (Microwave Power Module) range on Stand B2 at EW Europe 2018.

TMD back at EW Europe again – with further investment and expanded footprint!

“It will be good to once again be highlighting and discussing our products to military leaders, policy makers and all those engaged in electronic warfare at the premier EW Europe show”, said Steve Humphries, Territory Manger, Europe and Africa.

“Organised under the auspices of the high-status Association of Old Crows (AOC) it gives us the opportunity to participate in one of the most focussed events in the EW field. Stuart Love, Senior Sales Manager, UK and Europe continued “We have a much bigger stand this year, in a prime position near the exhibition entrance, and look forward to meeting old friends, making new acquaintances and enhancing our networking among the many thousands of visitors attending – ranging from purchasers of the latest advanced systems, government policy makers and industry representatives at every level of the supply chain.”

New line of TWT based MPMs for EW and radar systems on show

Underlining TMD's extensive expertise in EW/ECM and radar products for airborne, ground based and naval platforms will be the new line of Ka band TWT (Travelling Wave Tube) based MPMs, exemplified by the PTX8807 - as well as the new PTX8110 compact high power MPM, solid state PTS6900 and TWT based PTXM Series MPMs (see below).



TMD's PTX8807 MPM operates in the technically challenging 30-40 GHz Ka band.

The new PTX8807 TWT based MPM addresses the solution to providing counter measures against 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 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 new MPM also features remote operation and status monitoring.

PTX8110 compact, high power MPM 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 without the need for potentially unreliable high voltage TWT interconnections. A low gain TWT is specified together with a low noise Solid State Pre-amplifier to provide optimum noise performance.

Solid state PTS6900 MPM for fast system integration

Whether for airborne or ground-based operation, TMD's latest 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 150 W output and adjustable 55 dB gain.

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

... and PTXM Series TWT based MPMs with super efficiency packaging

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.

Offering low volume and weight they are ideal for applications such as UAVs.

TMD at EW Europe 2018

Steve Humphries, Territory Manger, Europe and Africa

Stuart Love, Senior Sales Manager, UK and Europe

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



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 and microwave tubes for radar, EW and communications applications. A previous twice 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 repair centre.

The Sales and Business Development Department is engaged in the sales of the whole range of TMD's products, as well as new business development in the United States.

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