

## ***PRESS INFORMATION***

30 October 2018

### **TMD introduces two *NEW* ultra high efficiency amplifiers for radar**

TMD Technologies Limited, world class, London based manufacturer of professional microwave and RF products, has introduced two new amplifiers to its advanced PTX range of microwave power modules (MPMs) for radar, EW and communications.



*TMD's two new amplifiers for radar offer over 50% efficiency improvement over earlier products.*

Operating in the X band, the new TWT based PTX8430 and PTX8501 offer ultra-high efficiency, providing more than 50% improvement over the previous models. TMD has achieved this impressive performance by matching high efficiency TWT technology with TMD's ultra-efficient power supply topology.

Designed for high power radar applications, on land, sea or air, these new MPMs have a power output of 1 kW over the frequency range 9-10 GHz - with duty cycles of 5 and 10% respectively and 55 dB gain. Prime power is 28 V DC.

Said TMD's Head of Sales, Nigel Hann: "As a market leader we constantly monitor customer needs, and our development of high efficiency tube-based products is in direct response to a new and increasing requirement in radar – where solid state technology, despite its benefits, is proving to exhibit limitations in harsh military environments. This situation is particularly relevant to those higher power and duty applications where the inherent lower efficiency of solid state devices often results in temperature, prime power and associated performance related problems."

## **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, microwave tubes and transponders 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.

### **[For further information and digital images please contact:](#)**

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