

PRESS INFORMATION

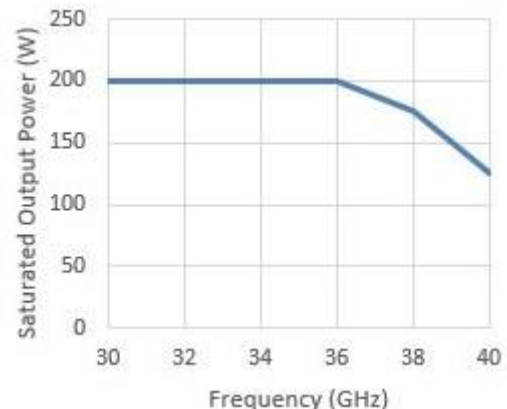
from TMD Technologies Limited

*Preview for:
Farnborough International Airshow
11-17 July 2016
Hampshire, England*

TMD showcases NEW compact Ka band MPMs ...plus latest solid state and ultra-compact MPMs - all on Stand AG68G, ADS UK Pavilion, Hall 1

At Farnborough International Airshow 2016, TMD Technologies Limited (TMD), a specialist West London based SME in the microwave and RF field, will be introducing a new line of Ka band, compact microwave power modules (MPMs) to its TWT based range.

Exemplified by the new **PTX8807** MPM, operating over the technically challenging 30-40 GHz frequency range with an output power of 200 W at 100% maximum duty cycle, the new range is designed to meet the exacting demands of radar and EW applications.



PTX8807 - Simplified integration for high performance EW and radar systems

The new compact PTX8807 TWT based MPM comprises a high power Ka band helix travelling wave tube (TWT) and a matched high density switched mode power supply to form a single 'drop-in' microwave amplifier unit, thereby eliminating any high voltage TWT interconnections – and the associated safety and reliability hazards. Also, using one MPM instead of a separate TWT and power supply means that spares logistics and maintenance are simplified.

Versatile configuration

The PTX8807 is configured to incorporate a variety of TWT models, allowing customers to specify particular duty, frequency and peak power parameters.

Factory setting optimises TWT performance, obviating 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 of -40°C to +65°C.

Easy airborne platform integration

Because the high voltage section is fully encapsulated, the PTX8807 is able to operate at high altitudes up to 45,000 ft and high humidity environments up to 95% (non-condensing), allowing easy and trouble-free integration into a variety of airborne platforms.

The PTX8807 also offers remote operation and status monitoring, with internal diagnostic outputs and indicators available for BIT purposes.

Nigel Hann, Head of Sales comments. “We are very excited about our new MPM initiatives which now include Ka band, responding to current demand. We look forward to discussing these developments at Farnborough with companies operating in the radar, EW and comms markets”.

Also on show – latest solid state and TWT based MPMs

Highlighting its capability to offer both high performance solid state and TWT based MPMs, TMD will be exhibiting its solid state PTS6900 MPM and PTXM Series TWT based MPMs.

The solid state PTS6900 employs advanced GaN MMIC technology. It operates over the 2-6 GHz range, with 150 W output power and adjustable 55 dB gain, and is optimised for EW/ECM systems – with a very high predicted MTBF for an airborne uninhabited fighter environment.

Featuring low volume and low weight, the TWT based PTXM Series are ideal for UAVs. Operating over the 4.5 to 18 GHz range with output powers up to 140 W, these ultra-compact MPMs offer perhaps the highest power density on the market.

... and

In addition, TMD will be exhibiting its fast warm Ku band ring loop TWTs and rapidly developing range of instrumentation TWT and solid state amplifiers. The latter have applications in the avionics and aerospace industries for radar/EW simulation and training – and also EMC HIRF testing.

All the sales team

All of TMD's Sales Team is scheduled to be in attendance periodically on its stand during the exhibition, to ensure that customers receive full information on the company's new products - and also meet key delegations from around the world.

Coordinating activities throughout will be Stand Manager Coleen Carter, TMD's Senior Publicity Officer.

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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