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RFuW Engineering Pte. Ltd.

RFuW Engineering Announces the Release of the MSW6T-6040-600 (Common Cathode) and MSW6T-6040-601 (Common Anode) High Power SP6T (+58 dBm)



RFuW Engineering, the industry's leading provider of High Power SMT RF Limiters and Switches today announces the release of the [MSW6T-6040-600](#) High Power SP6T Common Cathode and [MSW6T-6040-601](#) High Power SP6T Common Anode switches. These two SP6T provide unparalleled High Power RF performance intended for multi-band transceivers operating in the VHF & UHF Bands (30 MHz to 512 MHz).

They can safely handle Peak Power up to +58 dBm and CW Power of up to +56 dBm. This series of SP6T RF switches offers the RF designer a solution to overcome the age old problems associated with bulky discrete MELF PIN diodes: large parasitic capacitance, excessive real estate and inherent thermal conductivity penalties imposed by the topology. "MELF packaging was the state of the art in the 1970's, but there has been significant advances in ceramic technologies in the past fifty years which significantly improves the thermal characteristic which this family of SP6T offers the RF designer" stated Tim Emery, Vice President Business Development of RFuW Engineering.

These SP6T are available in both Common Anode (MSW6T-6040-600) or Common Cathode (MSW6T-6040-601) to simplify migrating existing SP6T driver circuits to these new compact SP6T solutions. The MSW6T-6040-600 and MSW6T-6040-601 offers the following RF performance characteristics:

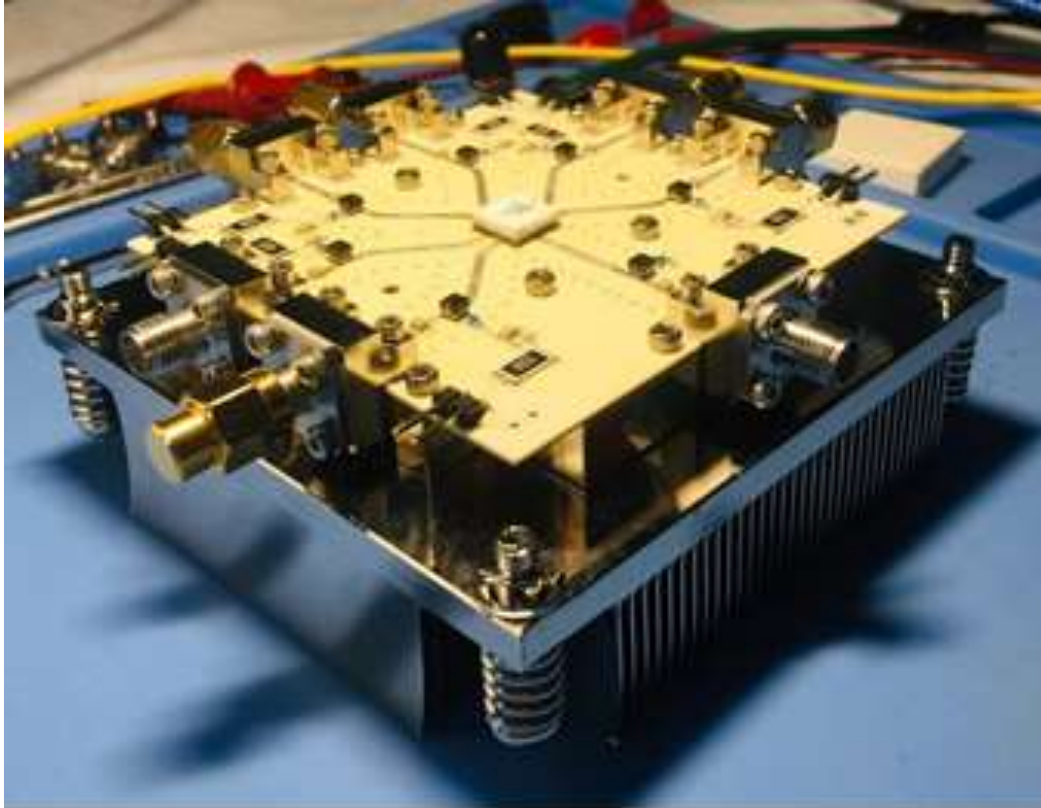
Features:

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|---------------------------------------|--------------------------|
| • Frequency Range: | 30 MHz to 512 MHz |
| • High Average Power Handling: | +56 dBm |
| • High Peak Power Handling: | +58 dBm |
| • Low Insertion Loss: | 0.5 dB |
| • Isolation: | 25 dB |
| • Return Loss: | 15 dB |
| • Surface Mount Module: | 8mm x 8mm x 2.5mm |
| • RoHS Compliant | |

Press Release

These SP6T supports switching time of 1 usec (typ) and are offered in a SMT package is 8mm x 8mm x 2.5mm RoHS compatible package. The Country of Origin is Malaysia.

High Power Evaluation Boards are available from RFuW Engineering (www.rfuw-engineering.com) or via our distributor, RFMW (www.rfmw.com).



RFuW Engineering offers an extensive line of high power, high reliability, SMT Limiter and Switches in the HF to Ku Band frequency range designed, developed and produced from the company's Asia base of operation. Founded in 2014 by former senior management of Aeroflex & MACOM specifically focused on supporting a worldwide clientele of RF customers from the world's most business friendly base of operations in Singapore, Malaysia and Hong Kong.

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