

MPS4103-607

Monolithic Surface Mount (MMSM) Series-Shunt SPST PIN Diode Reflective Switch

New 0.1 GHz - 3 GHz MMSM SPST PIN Diode Switch Handles 40 W CW Power

Microsemi is pleased to announce the MPS4103-607, a new high power Monolithic Surface Mount (MMSM) series-shunt SPST PIN diode reflective switch.

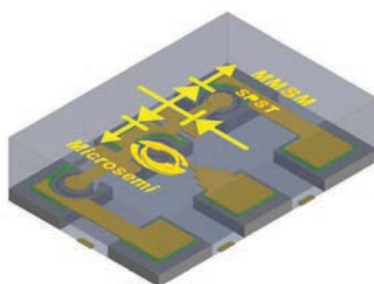
Optimized for high power UHF to 3 GHz, Transmit/Receive (T/R) and other switching applications, the device provides frequency coverage from 0.1 GHz to 3 GHz with 0.2 dB insertion loss and 54 dB of isolation at mid-band. A simple analog control voltage allows this device to achieve 500 nS switching speeds while handling up to 40 W of continuous wave (CW) power.

Available in a compact (1.52 mm x 1.02 mm) highly-integrated

wafer-scale format, the MPS4103-607 switch meets RoHS requirements per EU directive 2002/95/EC, and is fully compatible with pick and place and solder reflow manufacturing techniques. MPS4103-607 is an ESD HBM Class 1B product with moisture sensitivity rating of MSL 2.

For product sales or technical information contact sales.support@microsemi.com

Microsemi offers a complete line of RF and Microwave GaAs and silicon PIN diodes designed for low intermodulation switching and attenuation. Available products cover a wide variety of applications and range from ultra-low C_j , beam lead PIN diodes capable of switching up to 40 GHz, to high power PIN diodes designed to handle 60 dBm CW power.



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