Planar Monolithics Industries, Inc.
High Power Solid-State Switches

PMI offers a full line of High Power Solid-State Switches that range from 10 MHz up to 50 GHz with power handling up to 130 Watts CW, 5 kW peak. A wide range of standard models with various options are available.

### Model: P2T-1G1R1G-25-R-SFF-100W
- **Frequency**: 0.01 to 1.1 GHz
- **Isolation**: 25 dB min. - Measured 40.09 dB
- **VSWR**: 1.5:1 Typ.
- **Insertion Loss**: 0.8 dB max - Measured 0.49 dB
- **RF Input Power**: 100 Watts CW Max / 5 kW peak – Tested to 100 W CW
- **Switching Speed**: 100 ns Max – Measured 61.6 ns
- **Temperature**: -45 °C to +85 °C Operating

### Model: P2T-1G18G-10-R-5V-SFF-10W-HERM
- **Frequency**: 0.1 to 18.0 GHz
- **Isolation**: 10 dB Min - Measured 25.1 dB
- **VSWR**: 2.0:1 Max - Measured 1.64:1
- **Insertion Loss**: 4.0 dB Max - Measured 2.53 dB
- **RF Input Power**: 5 W CW Max - Tested at 5 W CW
- **Switching Speed**: 100 ns Max - Measured <40 ns
- **Temperature**: -54 °C to +85 °C Operating

### Model: P2T-1G18G-10-R-528-SFF-HIP10W
- **Frequency**: 9.5 to 10.7 GHz
- **Isolation**: 25 dB Min - Measured 25.73 dB
- **VSWR**: 2.0:1 Max - Measured 1.76:1
- **Insertion Loss**: 3.5 dB Max - Measured 2.66 dB
- **RF Input Power**: 5 Watts CW Max - Tested at 5 W CW
- **Switching Speed**: 200 ns Max - Measured 60 ns
- **Temperature**: -54 °C to +100 °C

### Model: PEC-9R510R7-100W-SFF-SPDT
- **Frequency**: 9.5 to 10.7 GHz
- **Isolation**: 40 dB Min - Measured 44.49 dB
- **VSWR**: 2.0:1 Max - Measured 1.42:1
- **Insertion Loss**: 1.5 dB Max - Measured 1.34 dB
- **RF Input Power**: 120 Watts CW
- **Switching Speed**: 400 ns Max - Measured <300 ns
- **Temperature**: -55 °C to +85 °C Operating

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