



Planar Monolithics Industries, Inc.

DC to 52 GHz, Solid State Switches

SP1T through SP32T

PMI offers a variety of Solid-State Switches covering the DC to 52 GHz frequency range. These designs feature low insertion loss, high isolation and fast switching speed in a slimline package size. Available TTL compatible driver options for ease of system integration. Custom designs can be supplied using any of our catalog or customer driven specifications. For a full list of available configurations go to: <https://www.pmi-rf.com/categories/switches>



P1T-DC40G-65-T-292FF-1NS P2T-100M50G-100-T P3T-500M40G-60-T-55-292FF P4T-100M50G-100-T-RD P5T-500M40G-60-T-55-292FF-5G40G

PMI Model No.	Frequency Range (GHz)	Insertion Loss (dB Typ)	Isolation (dB Typ)	Switching Speed (Typ)	Power Supply	Configuration Size (Inches) Connectors
P1T-DC40G-65-T-292FF-1NS https://www.pmi-rf.com/product-details/p1t-dc40g-65-t-292ff-1ns	DC - 40	5.5	65	5 ns	+15 V @ 15 mA -15 V @ 40 mA	SP2T, Absorptive 1.2" x 1.3" x 0.5" 2.92mm (F)
P2T-100M50G-100-T https://www.pmi-rf.com/product-details/p2t-100m50g-100-t	0.1 - 50	5	100	50 ns	+5 V @ 88 mA -5 V @ 63 mA	SP2T, Absorptive 1.0" x 0.75" x 0.4" 2.4mm (F)
P3T-500M40G-60-T-55-292FF https://www.pmi-rf.com/product-details/p3t-500m40g-60-t-55-292ff	0.5 - 40	6	60	50 ns	+5 V @ 35 mA -5 V @ 15 mA	SP3T, Absorptive 1.0" x 1.0" x 0.5" 2.92mm (F)
P4T-100M50G-100-T-RD https://www.pmi-rf.com/product-details/p4t-100m50g-100-t-rd	0.1 - 50	5	100	50 ns	+5 V @ 154 mA -5 V @ 135 mA	SP4T, Absorptive 1.25" x 1.25" x 0.4" 2.4mm (F)
P5T-500M40G-60-T-55-292FF-5G40G https://www.pmi-rf.com/product-details/p5t-500m40g-60-t-55-292ff-5g40g	0.5 - 40	8	60	40 ns	+5 V @ 55 mA -5 V @ 45 mA	SP5T, Absorptive 1.25" x 1.25" x 0.4" 2.92mm (F)
P6T-2G18G-60-T-512-SFF-LV https://www.pmi-rf.com/product-details/p6t-2g18g-60-t-512-sff-lv	2 - 18	4	60	50 ns	+5 V @ 121 mA -12 V @ 33 mA	SP6T, Absorptive 1.5" x 2.0" x 0.4" SMA (F)
P7T-0R8G18G-60-T-SFF-SMC https://www.pmi-rf.com/product-details/p7t-0r8g18g-60-t-sff-smc	0.8 - 18	4.3	60	75 ns	+5 V @ 300 mA -5 V @ 100 mA	SP7T, Absorptive 1.5" x 1.5" x 0.7" SMA (F)
P8T-500M40G-50-T-55-292FF https://www.pmi-rf.com/product-details/p8t-500m40g-50-t-55-292ff	0.5 - 40	10	50	50 ns	+5 V @ 300 mA -5 V @ 50 mA	SP8T, Absorptive 4.0" x 1.5" x 0.4" 2.92mm (F)
P9T-500M40G-60-R-55-292FF-OPT1222 https://www.pmi-rf.com/product-details/p9t-500m40g-60-r-55-292ff-opt1222	0.5 - 40	6.5	60	100 ns	+5 V @ 450 mA -5 V @ 75 mA	SP9T, Reflective 4.5" x 1.5" x 0.4" 2.92mm (F)
P12T-0R5G18G-60-T-SFF https://www.pmi-rf.com/product-details/p12t-0r5g18g-60-t-sff	0.5 - 18	5	60	100 ns	+5 V @ 300 mA -5 V @ 100 mA	SP12T, Absorptive 6.0" x 2.0" x 0.4" SMA (F)
P16T-100M52G-100-T-DEC https://www.pmi-rf.com/product-details/p16t-100m52g-100-t-dec	0.1 - 52	18	100	100 ns	+5 V @ 1100 mA -12 V @ 720 mA	SP16T, Absorptive 8.0" x 3.0" x 0.65" 2.4mm (F)
P20T-7G18G-80-T-515-SFF-SP https://www.pmi-rf.com/product-details/p20t-7g18g-80-t-515-sff-sp	7 - 18	5	80	250 ns	+5 V @ 500 mA -15 V @ 200 mA	SP20T, Absorptive 4.0" x 4.0" x 0.63" SMA (F)
P32T-0R5G18G-60-T-SFF https://www.pmi-rf.com/product-details/p32t-0r5g18g-60-t-sff	0.5 - 18	9.5	60	100 ns	+5 V @ 1450 mA -5 V @ 20 mA	SP32T, Absorptive 8.0" x 3.5" x 1.0" SMA (F)



P6T-2G18G-60-T-512-SFF-LV



P7T-0R8G18G-60-T-SFF-SMC



P8T-500M40G-50-T-55-292FF



P9T-500M40G-60-R-55-292FF-OPT1222



P12T-0R5G18G-60-T-SFF



P16T-100M52G-100-T-DEC



P20T-7G18G-80-T-515-SFF-SP



P32T-0R5G18G-60-T-SFF

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- Attenuators - Variable/Programmable
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- Detectors - RF / Microwave
- DLVAs, ERLVAs & SDL-VAs
- Filters & Switched Filter Banks
- Form, Fit, Functional Products & Services
- Frequency Converters
- Frequency Sources
- Frequency Discriminators & IFM
- Frequency Synthesizers
- Gain & Loss Equalizers
- Integrated MIC/MMIC Assemblies (IMAs)
- IQ Vector Modulators
- Limiters - RF / Microwave
- Log Amps
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- Pulse Modulators - SP1T
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- Switch Filter Banks
- Switches - Solid-State
- Systems - Radar Sense & Avoid
- Systems - Fly Eye Radar
- Threshold Detectors
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