

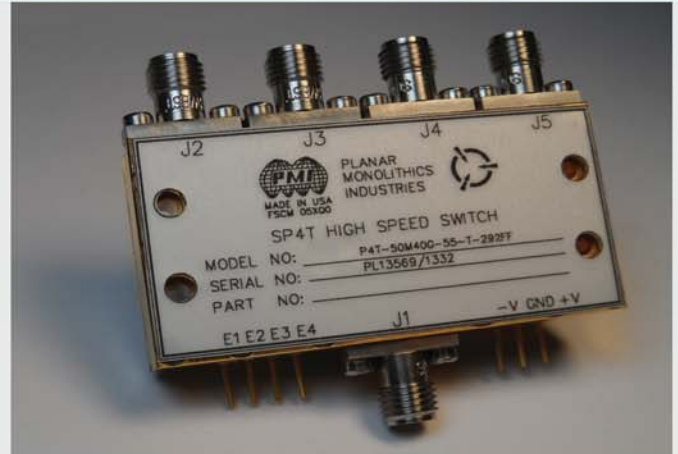


Planar Monolithics Industries, Inc.

RF & Microwave Components and Modules to 40GHz

ISO9001:2008 Certified

50MHz to 40.0GHz
SP4T, Absorptive, Switch
PMI Model No. P4T-50M40G-55-T-292FF



PMI Model No. P4T-50M40G-55-T-292FF is a 50MHz to 40.0GHz, Single Pole, Four Throw, Absorptive Switch. This switch offers 55dB of port to port isolation and a maximum insertion loss of 8db. It has a switching speed of 100ns and is independently TTL controlled. The operating power is +20dBm CW and it has a VSWR of 2.5:1 max.

Specifications:

Frequency	50MHz to 40.0GHz
Isolation	55dB min.
Insertion Loss	8.0dB max
VSWR In/Out	2.5:1 max.
Speed:	50% TTL to 10%/90% RF 85ns typ, 100ns max
Input Power	+20dBm CW
Survival Power	0.5W CW, 5W Peak, 1us
Control TTL	4 Line Independent Logic "0"= Insertion Loss Logic "1"= Isolation
Power Supply (Voltage regulation & reverse bias protection included)	+12 to +15VDC @ 150mA -12 to -15VDC @ 100mA
RF Connectors	2.92mm Female for Low Leakage
Control, Power and Ground	Feedthru - Ø0.030 typ
RF Leakage	SMA & Pins = <-100dB per MIL-C-39012
Size	2.0" x 1.0" x 0.4"
Finish	Gold Plated

Environmental Ratings:

Temperature:	-40°C to +85 °C Operating -55°C to +125 °C Non-Operating
Humidity:	MIL-STD-202F, Method 103B Cond. B
Shock:	MIL-STD-202F, Method 213B Cond. B
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

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