



# Planar Monolithics Industries, Inc.

RF & Microwave Components and Modules to 40GHz

## 10 Watt, Solid-State SPDT Switch PMI Model No. P2T-1G18G-10-R-528-SFF-HIP10W



PMI Model P2T-1G18G-10-R-528-SFF-HIP10W is a 1.0 to 18.0GHz, Solid-State SPDT switch that can handle up to 10 watts CW of input power for all operating conditions. This switch provides ultra-fast switching speeds of 40nsec, 25dB of isolation and 3.0dB of insertion loss typically. The DC current consumption is around 2.5mA at +5VDC and 2.5mA at -28VDC. The unit is offered in our compact housing that measures only 1.2" x 1.0" x 0.5".

### Specifications:

Frequency	1.0 to 18.0GHz
Isolation	25dB typ.
Insertion Loss	3.0dB typ., 4.0dB max.
VSWR In/Out	2.0:1
Operating Input Power	10W CW max.
Switching Speed	40nsec typ.
DC Voltage and Current	+5VDC @ 2.5mA -28VDC @ 2.5mA
Control Signal	TTL - Single Line
Connectors	SMA(F)
Finish	Epoxy Paint Gray
Size	1.2" x 1.0" x 0.5"

### Environmental Ratings:

Temperature:	-54°C to +100 °C Operating -55°C to +125 °C Non-Operating
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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