

Solid State Switches SPDT

RLC Electronics' Diode Switches cover the range of 0.2 to 18 GHz. Standard units are designed for low power, and high speed applications. Two independent TTL drivers are included

for maximum versatility. Close tolerance printed circuit techniques and precision bonding of diodes ensure uniform operation under extreme environmental conditions.

Specifications SSD

Model Number	Frequency (GHz)	Insertion Loss (dB) (Max.)	Isolation (dB) (Min.)	VSWR
SSD-0205	0.2 - 0.5	2.0 db	60	1.5:1
SSD-0520	0.5 - 2.0	2.0 db	60	1.5:1
SSD-2080	2.0 - 8.0	2.5 db	60	1.75:1
SSD-80124	8.0 - 12.4	3.0 db	60	2.0:1
SSD-12418	12.4 - 18.0	3.5 db	60	2.0:1

Switching Speed

ON Time 250 nsec. Max.
OFF Time 250 nsec. max.

Power Handling Capability

Without Performance
Degradation 250 mW cw or peak
Survival Power 1W average, 10W peak
(1µsec. max. pulse width)

Power Supply Requirements

+5V +5%, 90 mA
-12V +5%, 75 mA

Control Characteristics

Control Input
Impedance TTL, advanced Schottky, one-unit load (a unit load is 0.6 mA sink current and 20 µA source current.)
Control Logic...Logic "0" (-0.3 to +0.8V) for switch ON and logic "1" (+2.0 to +5.0V) for switch OFF.

