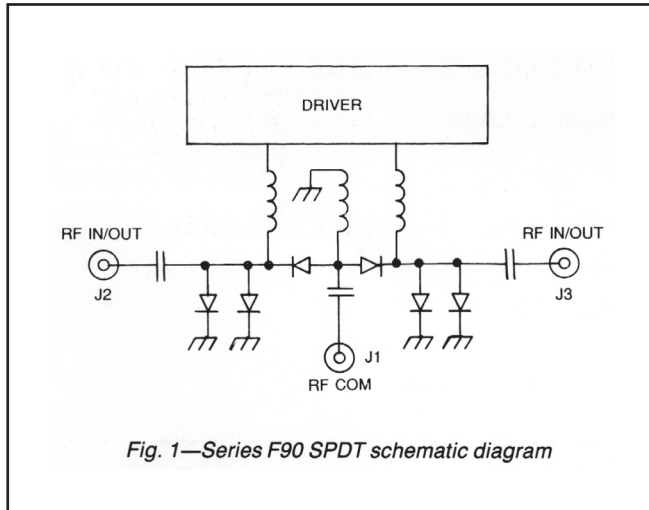


Series 90 Millimeter Wave SP2T Switches

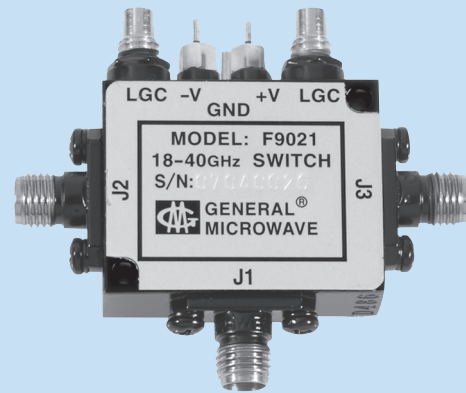
REFLECTIVE SP2T SWITCHES

Series 90 SP2T switches use an integrated assembly of PIN diodes mounted in a microstrip transmission line in a series-shunt arrangement as shown in Figure 1.

When applying positive current (by the driver), the associated port is OFF since the corresponding shunt diodes are biased to a low resistance and the series diode to a high resistance. With negative current at the bias terminal converse conditions are established and the port is ON. All models are supplied with integrated drivers. Standard units are supplied with logic that turns a port ON with the application of a logic "0" control signal. Maximum rise and fall times are less than 10 nsec.



- 18 to 40 GHz frequency range
- Rise and fall times less than 10 nsec
- Low VSWR and insertion loss
- Up to 65 dB isolation



Switch Model F9021
(WITH INTEGRATED
DRIVER)

