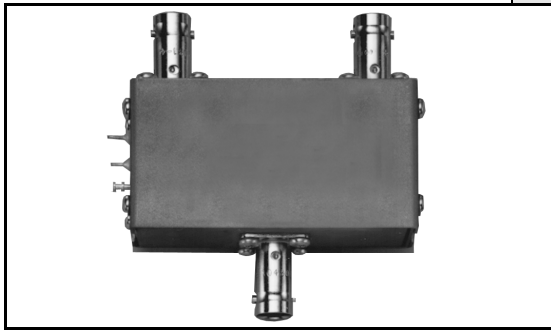


Programmable SPDT Switches

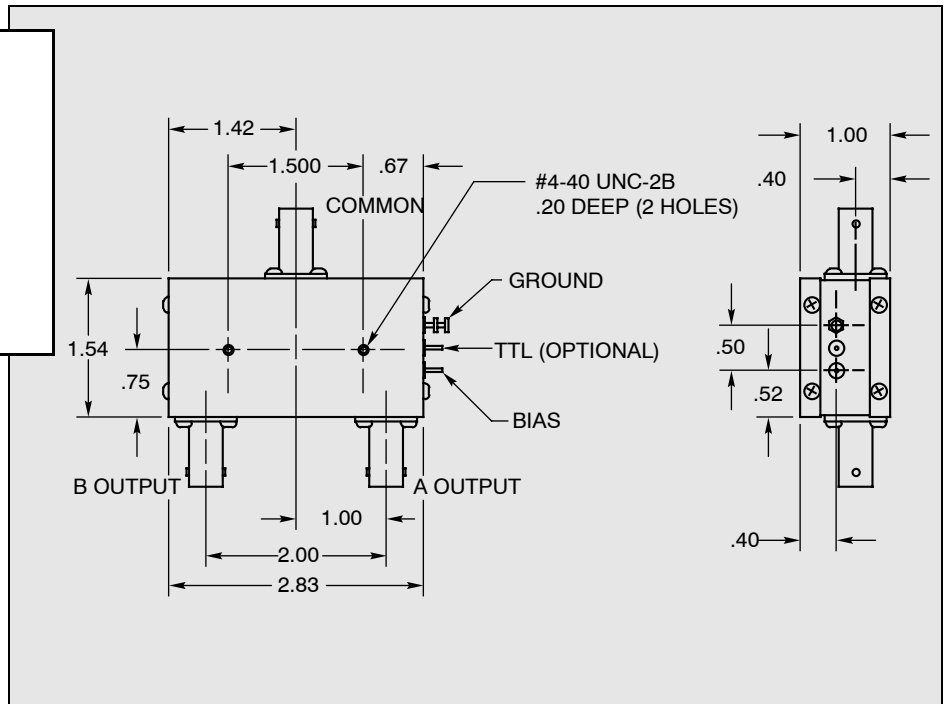


These latching and non-latching electronically controlled switches, covering the range of DC to 1,000 MHz, are available in a variety of configurations including a direct PCB-mountable version.

The A and B ports are internally terminated when not connected to the common port.

Control options include non-latching CMOS, latching and non-latching TTL, as well as direct drive.

Switching time is 15 milliseconds and the rated life is over 1 million actuations. When non-latching relays are used, there is no ambiguity as to the switch state after a power failure, common is connected to port A.



Specifications	5002 and 7002
Frequency Range	DC to 650 MHz with standard Type F connector DC to 1,000 MHz with Precision F Type connector
Impedance Model 5002 Model 7002	50 Ohms 75 Ohms
Insertion Loss	0.25 dB max.
Isolation DC to 500 MHz 500 MHz to 1,000 MHz	60 dB min. 50 dB min.
VSWR	1.22:1 (20 dB R.L.) min (any port, connected port terminated)
Input Power	0.5 Watts
Switching Time	15 Milliseconds
Switch Life	10 ⁶ actuation cycles
Operating Voltage	5V, 12V, and 24V standard
Switch Power Consumption	400 mW, failsafe; 2 mW latching driver
Temperature	-20° to +60°C
Control Options	CMOS (non-latching) TTL (failsafe and latching)
Weight	2 ounces
Connectors Model 5002 - 50 Ohms Model 7002 - 75 Ohms	BNC, SMA, SMB, SMC, TNC, N, F, SMB, SMC, BNC, N, and Precision F

NOTE: (With No Power Applied)
RF Common will be connected to output A.

NOTE: All ports are internally terminated when not connected to common.

TTL Switching Connections			
RF Output	GROUND	Bias	TTL
A		+ VDC	Low
B	+ VDC	High	

Current:

1 Relay Operation

5V = 70 mA

12V = 30 mA

24V = 20 mA

SWITCHES