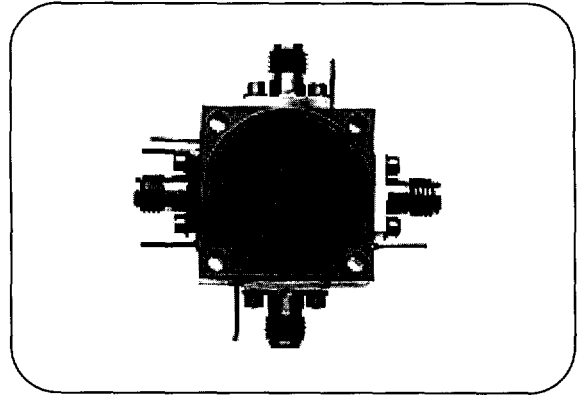


# SINGLE-POLE THREE-THROW SWITCHES

## FEATURES

- Multioctave bands 0.2 to 18 GHz
- Current and TTL control
- Low loss
- High isolation
- Medium and high speed models
- Drop-in models
- Amplitude and phase tracking
- Binary decoded logic



## ELECTRICAL SPECIFICATIONS

Frequency Range (GHz)	REFLECTIVE				ABSORPTIVE			
	Model Number	Insertion Loss (dB, Max.)	Isolation (dB, Min.)	VSWR (Max.)	Model Number	Insertion Loss (dB, Max.)	Isolation (dB, Min.)	VSWR (Max.)
0.2-2	S303A	1.3	50	1.6:1	N303A	1.7	55	1.6:1
	S303B	1.6	70	1.6:1	N303B	2.0	75	1.6:1
0.5-2	S313A	1.2	60	1.6:1	N313A	1.6	55	1.6:1
	S313B	1.5	80	1.6:1	N313B	1.9	75	1.6:1
2-8	S336A	1.7	60	1.7:1	N336A	1.9	55	1.7:1
	S336B	1.9	80	1.7:1	N336B	2.1	70	1.7:1
4-12	S347A	2.2	70	1.7:1	N347A	2.2	50	1.7:1
	S347B	2.4	90	1.7:1	N347B	2.5	65	1.7:1
2-18	S338A	2.7	60	2.0:1	N338A	2.8	45	2.0:1
	S338B	3.0	80	2.0:1	N338B	3.2	60	2.0:1
1-18	S328A	2.8	55	2.0:1	N328A	2.9	45	2.0:1
	S328B	3.1	70	2.0:1	N328B	3.4	60	2.0:1

## STANDARD OPTIONS DESCRIPTION SUFFIX

1. Current control, each throw	I.L. -2 V @ 15 mA typ. ISO +2 V @ 20 mA typ.	None
2. TTL driver, inverting logic	"0" = ISO, "1" = I.L.	D
3. TTL driver, noninverting logic	"1" = ISO, "0" = I.L.	N
4. Rise/fall time	Fast (20 ns max.) Medium (300 ns max.)	F M
5. Power supply	+5 V, -12 V +5 V, -5 V +5 V, -15 V	0 1 2
6. DC power consumption	Positive supply 85 mA, Negative supply 85 mA	None

