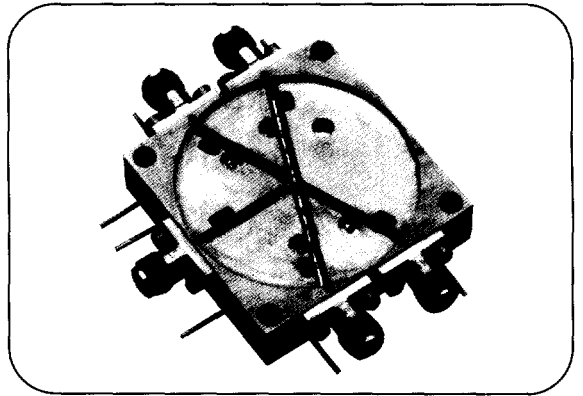


SINGLE-POLE FOUR-THROW SWITCHES

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	S403A	1.4	50	1.7:1	N403A	1.8	55	1.7:1
	S403B	1.7	60	1.7:1	N403B	2.1	65	1.7:1
0.5-2	S413A	1.3	55	1.7:1	N413A	1.7	55	1.7:1
	S413B	1.6	65	1.7:1	N413B	2.0	65	1.7:1
2-8	S436A	1.8	55	1.8:1	N436A	2.0	55	1.8:1
	S436B	2.0	65	1.8:1	N436B	2.3	65	1.8:1
4-12	S447A	2.4	55	1.8:1	N447A	2.4	50	1.8:1
	S447B	2.6	65	1.8:1	N447B	2.7	65	1.8:1
2-18	S438A	2.8	50	2.0:1	N438A	3.0	45	2.0:1
	S438B	3.1	60	2.0:1	N438B	3.4	60	2.0:1
1-18	S428A	3.0	50	2.0:1	N428A	3.2	45	2.0:1
	S428B	3.3	60	2.0:1	N428B	3.6	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 110 mA, Negative supply 110 mA	None

