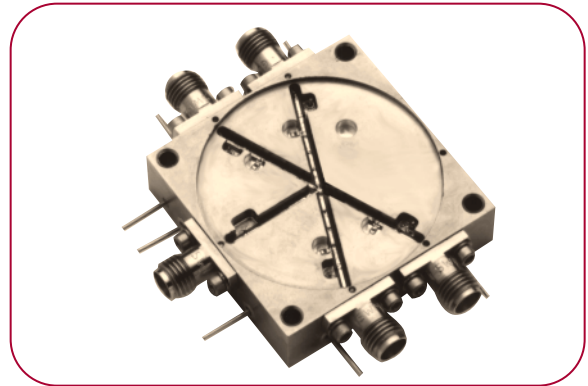


# SINGLE-POLE FOUR-THROW SWITCHES

## 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



Frequency Range (GHz)	Model Number	Insertion Loss (dB, Max.)	Isolation (dB, Min.)	*VSWR (Max.)	Type (Reflective/Absorptive)	DC Power Consumption Pos. Supply (mA, Max.)	Neg. Supply (mA, Min.)	Outline	Ordering Options	Additional Features
<b>STANDARD, MULTIOCTAVE BAND MODELS</b>										
0.2–2	S403A	1.4	50	1.7:1	Ref	110	110	SP4T	1-5	–
	S403B	1.7	60	1.7:1	Ref	110	110	SP4T	1-5	–
	N403A	1.8	55	1.7:1	Abs	110	110	SP4T	1-5	–
	N403B	2.1	65	1.7:1	Abs	110	110	SP4T	1-5	–
0.5–2	S413A	1.3	55	1.7:1	Ref	110	110	SP4T	1-5	–
	S413B	1.6	65	1.7:1	Ref	110	110	SP4T	1-5	–
	N413A	1.7	55	1.7:1	Abs	110	110	SP4T	1-5	–
	N413B	2	65	1.7:1	Abs	110	110	SP4T	1-5	–
2–8	S436A	1.8	55	1.8:1	Ref	110	110	SP4T	1-5	–
	S436B	2	65	1.8:1	Ref	110	110	SP4T	1-5	–
	N436A	2	55	1.8:1	Abs	110	110	SP4T	1-5	–
	N436B	2.3	65	1.8:1	Abs	110	110	SP4T	1-5	–
4–12	S447A	2.4	55	1.8:1	Ref	110	110	SP4T	1-5	–
	S447B	2.6	65	1.8:1	Ref	110	110	SP4T	1-5	–
	N447A	2.4	50	1.8:1	Abs	110	110	SP4T	1-5	–
	N447B	2.7	65	1.8:1	Abs	110	110	SP4T	1-5	–
2–18	S438A	2.8	50	2:1	Ref	110	110	SP4T	1-5	–
	S438B	3.1	60	2:1	Ref	110	110	SP4T	1-5	–
	N438A	3	45	2:1	Abs	110	110	SP4T	1-5	–
	N438B	3.4	60	2:1	Abs	110	110	SP4T	1-5	–
1–18	S428A	3	50	2:1	Ref	110	110	SP4T	1-5	–
	S428B	3.3	60	2:1	Ref	110	110	SP4T	1-5	–
	N428A	3.2	45	2:1	Abs	110	110	SP4T	1-5	–
	N428B	3.6	60	2:1	Abs	110	110	SP4T	1-5	–

Electrical performance of multioctave models can be optimized over narrower bandwidths, or for a particular parameter. Electrical options include: Lower insertion loss, lower VSWR, higher isolation, flat amplitude response, amplitude tracking. Mechanical/Control options include: Custom packaging, single supply operation, fast switching time, single TTL control line. Examples of custom models previously shipped are shown below. Consult factory for options.

<b>OPTIMIZED PERFORMANCE MODELS</b>										
0.5–4	125482	1.6	65	2:1	Ref	110	110	SP4T	5V, -15V	
5–6	127935	2.2	60	1.7:1	Abs	35	–	Contact factory	Single 5V supply	
5–6	126940	1.4	55	1.5:1	Abs	110	110	SP4T	5V, -15V	
9–11	127087	2.6	70	1.5:1	Abs	35	–	Contact factory	Single 5V supply	
3.4–12.8	126142	3	60	1.5:1	Ref	–	–	Contact factory	Single 5V supply	

\*For reflective models, VSWR is not specified in the “OFF” state.  
For absorptive models, VSWR in the “OFF” state is defined for port J2 only.