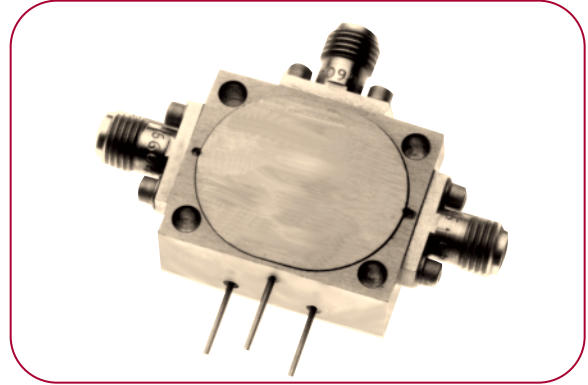


SINGLE-POLE DOUBLE-THROW SWITCHES

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



Frequency Range (GHz)	Model Number	Insertion Loss (dB, Max.)	Isolation (dB, Min.)	*VSWR (Max.)	Type (Reflective/Absorptive)	DC Power Consumption Pos. Supply (mA, Max.)	DC Power Consumption Neg. Supply (mA, Min.)	Outline	Ordering Options	Additional Features
STANDARD, MULTIOCTAVE BAND MODELS										
0.2–2	S203A	1.2	50	1.6:1	Ref	60	60	SP2T	1-5	–
	S203B	1.5	70	1.6:1	Ref	60	60	SP2T	1-5	–
	N203A	1.7	55	1.6:1	Abs	60	60	SP2T	1-5	–
	N203B	2	75	1.6:1	Abs	60	60	SP2T	1-5	–
0.5–2	S213A	1	60	1.6:1	Ref	60	60	SP2T	1-5	–
	S213B	1.3	80	1.6:1	Ref	60	60	SP2T	1-5	–
	N213A	1.5	55	1.6:1	Abs	60	60	SP2T	1-5	–
	N213B	1.8	75	1.6:1	Abs	60	60	SP2T	1-5	–
2–8	S236A	1.6	60	1.7:1	Ref	60	60	SP2T	1-5	–
	S236B	1.8	80	1.7:1	Ref	60	60	SP2T	1-5	–
	N236A	1.8	55	1.7:1	Abs	60	60	SP2T	1-5	–
	N236B	2	70	1.7:1	Abs	60	60	SP2T	1-5	–
4–12	S247A	2	70	1.7:1	Ref	60	60	SP2T	1-5	–
	S247B	2.2	90	1.7:1	Ref	60	60	SP2T	1-5	–
	N247A	2	50	1.7:1	Abs	60	60	SP2T	1-5	–
	N247B	2.2	65	1.7:1	Abs	60	60	SP2T	1-5	–
2–18	S238A	2.5	60	2:1	Ref	60	60	SP2T	1-5	–
	S238B	2.8	80	2:1	Ref	60	60	SP2T	1-5	–
	N238A	2.6	45	2:1	Abs	60	60	SP2T	1-5	–
	N238B	3	60	2:1	Abs	60	60	SP2T	1-5	–
1–18	S228A	2.6	55	2:1	Ref	60	60	SP2T	1-5	–
	S228B	3	70	2:1	Ref	60	60	SP2T	1-5	–
	N228A	2.8	45	2:1	Abs	60	60	SP2T	1-5	–
	N228B	3.2	60	2:1	Abs	60	60	SP2T	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.										
OPTIMIZED PERFORMANCE MODELS										
0.5–2	124513	1.4	70	1.5:1	Ref	–	–	SP2T	50ns switch speed	
0.5–2	126157	1.5	70	1.6:1	Abs	95	95	Contact factory	5V,-12V. 50ns switch speed	
1–2	126158	1.5	70	1.5:1	Ref	90	90	Contact factory	5V,-12V. Single TTL line	
1.2–1.6	122797	2.2	75	1.6:1	Abs	60	60	SP2T	5V,-15V. 50ns switch speed	
0.8–4	126150	1.5	70	1.7:1	Ref	60	60	SP2T	5V,-12V	
8–10	122499	2	60	1.6:1	Ref	–	–	SP2T	5V,-12V. 50ns switch speed	
9–11	126154	2.5	40	1.5:1	Ref	25	–	Contact factory	Single 5V supply	
15–17	125963	3	45	2:1	Ref	60	60	SP2T	5V,-12V. 50ns switch speed	
2–18	124080	2.7	65	2:1	Ref	60	60	SP2T	5V,-12V. 50ns switch speed	
2–18	124784	3	65	2:1	Abs	60	60	SP2T	5V,-12V. Single TTL line	
2–18	127070	2.5	70	1.7:1	Abs	60	60	SP2T	5V,-15V	
23.5–24.5	120612	3	35	2:1	Ref	–	–	SP2T	5V,-12V. 7ns rise/fall time	

*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.