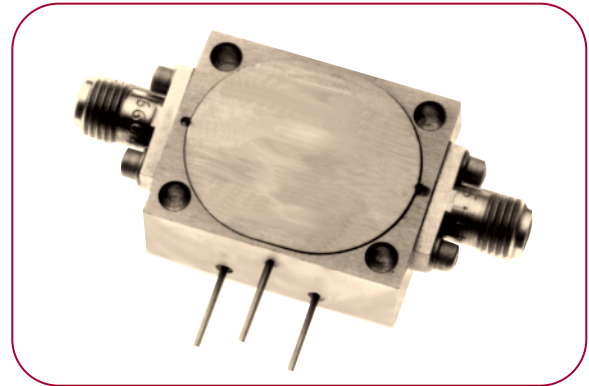


# SINGLE-POLE SINGLE-THROW SWITCHES

## FEATURES

- Multioctave bands 0.2 to 18 GHz
- Current and TTL control
- Low loss
- High isolation
- Medium and high speed models
- Drop-in models
- 2 ns models



Frequency Range (GHz)	Model Number	Insertion Loss (dB, Max.)	Isolation (dB, Min.)	*VSWR (Max.)	Type (Reflective/Absorptive)	DC Power Consumption		Outline	Ordering Options	Additional Features
						Pos. Supply (mA, Max.)	Neg. Supply (mA, Min.)			
<b>STANDARD, MULTIOCTAVE BAND MODELS</b>										
0.2-2	S103A	1.5	50	1.6:1	Ref	35	35	SPST	1-5	-
	S103B	1.7	70	1.6:1	Ref	35	35	SPST	1-5	-
	N103A	1.6	55	1.6:1	Abs	35	35	SPST	1-5	-
	N103B	1.8	75	1.6:1	Abs	35	35	SPST	1-5	-
0.5-2	S113A	1.3	60	1.6:1	Ref	35	35	SPST	1-6	-
	S113B	1.5	80	1.6:1	Ref	35	35	SPST	1-6	-
	N113A	1.5	55	1.6:1	Abs	35	35	SPST	1-5	-
	N113B	1.7	75	1.6:1	Abs	35	35	SPST	1-5	-
2-8	S136A	1.8	60	1.7:1	Ref	35	35	SPST	1-6	-
	S136B	2	80	1.7:1	Ref	35	35	SPST	1-6	-
	N136A	2	55	1.7:1	Abs	35	35	SPST	1-5	-
	N136B	2.2	70	1.7:1	Abs	35	35	SPST	1-5	-
4-12	S147A	2	70	1.7:1	Ref	35	35	SPST	1-6	-
	S147B	2.2	90	1.7:1	Ref	35	35	SPST	1-6	-
	N147A	2.3	50	1.7:1	Abs	35	35	SPST	1-5	-
	N147B	2.6	65	1.7:1	Abs	35	35	SPST	1-5	-
2-18	S138A	2.6	60	2:1	Ref	35	35	SPST	1-6	-
	S138B	3	80	2:1	Ref	35	35	SPST	1-6	-
	N138A	2.6	45	2:1	Abs	35	35	SPST	1-5	-
	N138B	3	60	2:1	Abs	35	35	SPST	1-5	-
1-18	S128A	2.7	50	2:1	Ref	35	35	SPST	1-5	-
	S128B	3	70	2:1	Ref	35	35	SPST	1-5	-
	N128A	2.8	45	2:1	Abs	35	35	SPST	1-5	-
	N128B	3.2	60	2:1	Abs	35	35	SPST	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>										
0.21-0.23	124794	1.8	80	1.6:1	Abs	35	35	SPST	5V,-12V.	
0.5-2	126152	1.1	60	1.6:1	Abs	70	70	Contact factory	5V,-15V. 40ns switch speed	
3-3.4	124516	1	60	1.5:1	Abs	-	-	SPST	5V,-5V. 6ns rise/fall time	
5-5.6	125473	1.3	60	1.5:1	Abs	-	-	SPST	5V,-5V. 6ns rise/fall time	
3-9	123296	1.7	60	1.7:1	Ref	-	-	SPST	5V,-15V. 30ns switch speed	
9.5-10.5	127922	2.5	70	1.7:1	Abs	35	35	SPST	5V,-15V. 5ns rise/fall time	
2-18	124796	3.2	80	2:1	Ref	-	-	SPST	5, -15V. 2ns rise/fall time	
2-18	123297	2.8	70	1.8:1	Ref	50	50	Contact factory	±15V. 4ns rise/fall time	
2-18	122791	3	80	1.8:1	Ref	50	50	Contact factory	5V,-12V. 3ns rise/fall time	
2-18	123797	2.8	70	1.8:1	Ref	50	50	Contact factory	5V,-15V. 4ns 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.