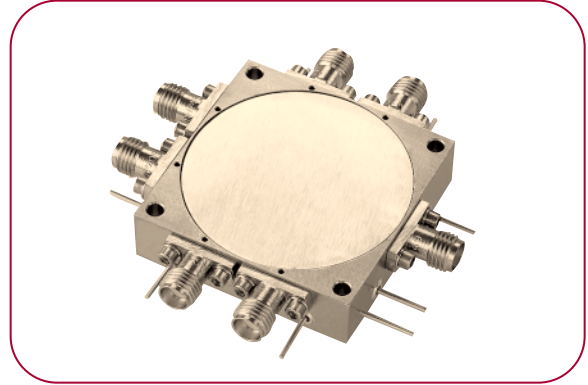


# SINGLE-POLE SIX-THROW SWITCHES

## 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		Outline	Ordering Options	Additional Features
						Pos. Supply (mA, Max.)	Neg. Supply (mA, Min.)			
<b>STANDARD, MULTIOCTAVE BAND MODELS</b>										
0.2-2	S603A	1.6	50	1.7:1	Ref	160	160	SP6T	1-5	-
	S603B	1.9	60	1.7:1	Ref	160	160	SP6T	1-5	-
	N603A	2	55	1.7:1	Abs	160	160	SP6T	1-5	-
	N603B	2.3	65	1.7:1	Abs	160	160	SP6T	1-5	-
0.5-2	S613A	1.5	55	1.7:1	Ref	160	160	SP6T	1-5	-
	S613B	1.8	65	1.7:1	Ref	160	160	SP6T	1-5	-
	N613A	1.9	55	1.7:1	Abs	160	160	SP6T	1-5	-
	N613B	2.2	65	1.7:1	Abs	160	160	SP6T	1-5	-
2-8	S636A	2	55	1.8:1	Ref	160	160	SP6T	1-5	-
	S636B	2.2	65	1.8:1	Ref	160	160	SP6T	1-5	-
	N636A	2.2	55	1.8:1	Abs	160	160	SP6T	1-5	-
	N636B	2.5	65	1.8:1	Abs	160	160	SP6T	1-5	-
4-12	S647A	2.7	55	1.8:1	Ref	160	160	SP6T	1-5	-
	S647B	2.9	65	1.8:1	Ref	160	160	SP6T	1-5	-
	N647A	2.8	50	1.8:1	Abs	160	160	SP6T	1-5	-
	N647B	3.1	65	1.8:1	Abs	160	160	SP6T	1-5	-
2-18	S638A	3.2	50	2:1	Ref	160	160	SP6T	1-5	-
	S638B	3.5	60	2:1	Ref	160	160	SP6T	1-5	-
	N638A	3.4	45	2:1	Abs	160	160	SP6T	1-5	-
	N638B	3.8	60	2:1	Abs	160	160	SP6T	1-5	-
1-18	S628A	3.4	50	2:1	Ref	160	160	SP6T	1-5	-
	S628B	3.7	60	2:1	Ref	160	160	SP6T	1-5	-
	N628A	3.6	45	2:1	Abs	160	160	SP6T	1-5	-
	N628B	4	60	2:1	Abs	160	160	SP6T	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>										
0.6-2.5	122516	2.5	65	1.7:1	Abs	160	160	SP6T	5V,-5V	
9-11	126153	2.5	40	1.5:1	Ref	25	-	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.