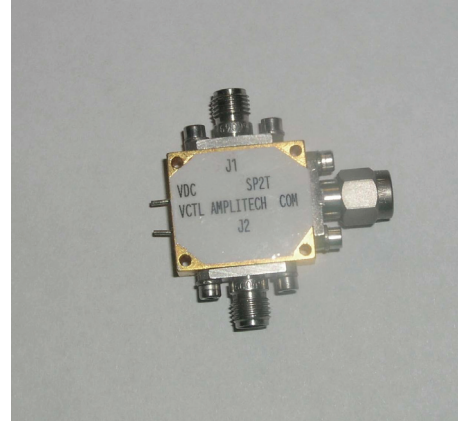


## OSM Series Coaxial PIN Switches

AmpliTech offers custom Coaxial PIN Switches in various bands within the frequency range of 1GHz to 18GHz. The OSM series features low insertion loss and high isolation. Driver circuitry can be incorporated within the package and switches are available in SPST through SP4T configurations. SMA female connectors are standard along with feed through pins for DC bias and control.



### Features:

- Low Insertion Loss
- High Isolation
- Small Size
- Operating Temperature Range up to -55°C to +85°C

### Options:

- Custom Frequency Bands
- Screening to MIL Specs
- Complex Switching Matrix
- Integrated Assemblies

Typical Specifications					
Frequency Range	Switch Type	Insertion Lose (dB Max)	VSWR (Min)	Isolation (dB Min)	Power Watts (Max)
1 GHz – 2 GHz	SPST	0.9	1.5	85	2.0
	SPDT	1.0	1.5	85	2.0
	SP3T	1.1	1.5	85	2.0
	SP4T	1.2	1.5	85	2.0
2 GHz – 4 GHz	SPST	1.1	1.6	75	1.0
	SPDT	1.2	1.6	75	1.0
	SP3T	1.3	1.6	75	1.0
	SP4T	1.4	1.6	75	1.0
4 GHz – 8 GHz	SPST	1.7	1.6	75	1.0
	SPDT	1.8	1.6	75	1.0
	SP3T	1.9	1.6	75	1.0
	SP4T	2.0	1.6	75	1.0
8 GHz – 12 GHz	SPST	1.9	1.8	70	1.0
	SPDT	2.0	1.8	70	1.0
	SP3T	2.2	1.8	70	1.0
	SP4T	2.4	1.8	70	1.0
12GHz – 18 GHz	SPST	2.8	2.0	65	0.5
	SPDT	3.0	2.0	65	0.5
	SP3T	3.2	2.0	65	0.5
	SP4T	3.4	2.0	65	0.5

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