



EPX Microwave announces a new series of coaxial switches, extending the usual N connector frequency range of DC~12.4 GHz to DC~18 GHz. Each model is available with the option of built-in internal terminations. The series includes single pole double throw, transfer and single pole multi-throw models up to 12 ports.

These new DC~18 GHz switches provide excellent wideband RF performance. In the 12~18 GHz band the SPDT has Insertion Loss of less than 0.4 dB, Isolation greater than 70 dB, and port to port VSWR better than 1.5:1. Other models shown below, have similarly excellent performance. The switches can all handle powers up to 185 Watts CW. In the -25°C to +70°C operating temperature range, the switch life time is greater than 2 million operations.

With the higher power capability of N connectors, this series will be suitable for higher power applications in wide band DC~18 GHz radar system, telecommunications, and related test equipment.

		DC~3GHz	3~8GHz	8~12GHz	12~18GHz
SPDT	V.S.W.R. (max)	1.2:!	1.35:!	1.4:!	1.5:!
	Insertion Loss (max) dB	0.1	0.2	0.3	0.4
	Isolation (min) dB	85	80	75	70
TRAN	V.S.W.R. (max)	1.2:!	1.35:!	1.4:!	1.5:!
	Insertion Loss (max) dB	0.1	0.2	0.3	0.4
	Isolation (min) dB	85	70	70	60
SPMT (3 to 6 ports)	V.S.W.R. (max)	1.2:!	1.35:!	1.4:!	1.5:!
	Insertion Loss (max) dB	0.1	0.2	0.4	0.7
	Isolation (min) dB	85	80	70	60
SPMT (8 to 12 ports)	V.S.W.R. (max)	1.2:!	1.4:!	1.5:!	1.6:!
	Insertion Loss (max) dB	0.1	0.3	0.5	0.7
	Isolation (min) dB	85	80	70	60