

Switches - GaAs

These circuits operate from DC to 3 GHz and use GaAs MMIC switches to control the RF signal path. They are available with or without TTL or CMOS drivers. They should be used in place of PIN Diode switches when fast switching speed and low DC Power consumption is important.

Model	Type	Frequency Range (MHz)		I.L.(dB) Typ	Switching Speed (Typ) (ns)	Isolation (dB) Typ	VSWR (Typ)	Termination (OHMS)	Driver	Package Type
TWM6001	SPST	10	1500	1.2	500	35	1.25:1	50	TTL	T-5
TWR6000	SPST	10	1500	2.5	30	80	1.25:1	OPEN	TTL	T-8
TWN6002	SPST	10	2000	1.2	30	35	1.25:1	50	TTL	SM-2
TWP2214	SPST	DC	3000	0.7	10	55	1.15:1	50	0/-5V	FP-12
TWK2213	SPST	DC	3000	0.7	10	55	1.15:1	50	0/-5V	T-2
TWP2209	SPST	DC	3000	1.0	6	40	1.25:1	50	0/-5V	FP-7
TWN2278	SPST	DC	3000	0.9	10	55	1.1:1	50	0/-5V	SM-2
TWP2231	SPST	5	3000	1.0	30	55	1.2:1	50	TTL	FP-13
TWP2232	SPST	5	3000	1.0	60	55	1.2:1	50	CMOS	FP-13
TWD2215	SPST	5	3000	1.0	30	60	1.2:1	50	TTL	DP-3
TWD2216	SPST	5	3000	1.0	60	60	1.2:1	50	CMOS	DP-3
TWP2225	SPDT	DC	2000	0.6	25	35	1.1:1	OPEN	TTL	FP-12
TWK2224	SPDT	DC	2000	0.6	25	40	1.15:1	OPEN	TTL	T-2
TWP2233	SPDT	5	2000	1.0	30	50	1.2:1	50	TTL	FP-13
TWP2234	SPDT	5	2000	1.0	30	55	1.2:1	OPEN	TTL	FP-13
TWD2217	SPDT	5	2000	1.0	30	55	1.2:1	OPEN	TTL	DP-3
TWD2218	SPDT	5	2000	1.0	60	55	1.2:1	OPEN	CMOS	DP-3
TWD2206	SPDT	5	3000	1.2	60	55	1.2:1	50	CMOS	DP-3
TWP2219	SPDT	DC	3000	0.5	10	40	1.15:1	OPEN	0/-5V	FP-7
TWK2201	SPDT	DC	3000	0.5	25	50	1.15:1	OPEN	0/-5V	T-2
TWP2202	SPDT	DC	3000	0.5	10	50	1.15:1	OPEN	0/-5V	FP-12
TWD2208	SPDT	DC	3000	0.8	60	45	1.2:1	OPEN	CMOS	DP-3
TWD2207	SPDT	DC	3000	0.8	30	45	1.2:1	OPEN	TTL	DP-3
TWK2203	SPDT	DC	3000	0.8	15	50	1.15:1	50	0/-5V	T-2
TWP2204	SPDT	DC	3000	0.8	10	50	1.15:1	50	0/-5V	FP-12
TWP2238	SPDT	5	3000	0.9	60	50	1.2:1	OPEN	CMOS	FP-13
TWD2205	SPDT	5	3000	1.2	30	55	1.2:1	50	TTL	DP-3
TWP2248	SP3T	5	2000	1.0	20	55	1.2:1	OPEN	TTL	FP-14
TWD2247	SP3T	5	2000	1.0	20	55	1.2:1	50	TTL	FP-14
TWP2252	SP3T	5	2000	1.0	40	55	1.2:1	OPEN	CMOS	FP-14
TWP2251	SP3T	5	2000	1.0	40	55	1.2:1	50	CMOS	FP-14
TWD2241	SP3T	5	2000	1.0	20	50	1.2:1	50	TTL	DP-10
TWD2242	SP3T	5	2000	1.0	20	60	1.2:1	OPEN	TTL	DP-10
TWD2245	SP3T	5	2000	1.0	40	60	1.2:1	OPEN	CMOS	DP-10
TWD2244	SP3T	5	2000	1.0	40	60	1.2:1	50	CMOS	DP-10
TWP2262	SP4T	5	2000	1.0	20	55	1.2:1	OPEN	TTL	FP-14
TWP2261	SP4T	5	2000	1.0	20	55	1.2:1	50	TTL	FP-14
TWP2265	SP4T	5	2000	1.0	40	55	1.2:1	OPEN	CMOS	FP-14
TWP2264	SP4T	5	2000	1.0	40	55	1.2:1	50	CMOS	FP-14
TWD2255	SP4T	5	2000	1.0	20	55	1.2:1	OPEN	TTL	DP-10
TWD2258	SP4T	5	2000	1.0	40	55	1.2:1	OPEN	CMOS	DP-10
TWD2257	SP4T	5	2000	1.0	40	55	1.2:1	50	CMOS	DP-10
TWD6018	SP4T	5	3000	1.4	20	50	1.5:1	50	TTL	DP-11