

Switch Selection Guide

Model	Description	Frequency Min (GHz)	Frequency Max (GHz)	Insertion Loss (dB)	Max	Isolation Min (dB)	VSWR (Max)	Switching Speed (Max)	Input Power (Max Operating)	Pos Supply Voltage (+V)	Pos Supply Current (mA)	Neg Supply Voltage (-V)	Neg Supply Current (mA)	Reflective	Absorptive	Control	Microwave Connectors	Hermetic	
SPST Switches																			
CCS33120	CCS33120 SPST Switch	1.9	3.6	1.50		50	1.5:1	5 μsec	+4dBm	5	50				X	TTL	SMA, removable	X	
2953-1001	2953 Series SPST Switch, Broadband	0.5	2.0	0.70		50	1.5:1	50nSec	0.5 W CW	5	75	12	50	X		TTL	Pins	X	
2953-1002	2953 Series SPST Switch, Broadband	2.0	8.0	1.10		55	1.7:1	50nSec	0.5 W CW	5	75	12	50	X		TTL	Pins	X	
2953-1003	2953 Series SPST Switch, Broadband	6.0	18.0	1.90		60	1.9:1	50nSec	0.5 W CW	5	75	12	50	X		TTL	Pins	X	
2953-1004	2953 Series SPST Switch, Broadband	2.0	18.0	2.10		60	2.0:1	50nSec	0.5 W CW	5	75	12	50	X		TTL	Pins	X	
SP2T Switches																			
2665-1001-XY	2665 Series SP2T Switch Family, Broadband	2.0	4.0	1.40		40	1.7:1	200nSec	10 W CW	Options: 5,12,15	90	Options: 5,12,15	90	X		TTL	SMA	X	
2665-1002-XY	2665 Series SP2T Switch Family, Broadband	2.0	4.0	1.60		55	1.7:1	200nSec	10 W CW	Options: 5,12,15	90	Options: 5,12,15	90	X		TTL	SMA	X	
2665-1003-XY	2665 Series SP2T Switch Family, Broadband	4.0	8.0	1.80		40	1.9:1	200nSec	10 W CW	Options: 5,12,15	90	Options: 5,12,15	90	X		TTL	SMA	X	
2665-1004-XY	2665 Series SP2T Switch Family, Broadband	4.0	8.0	2.00		55	1.9:1	200nSec	10 W CW	Options: 5,12,15	90	Options: 5,12,15	90	X		TTL	SMA	X	
2665-1005-XY	2665 Series SP2T Switch Family, Broadband	8.0	12.0	2.30		40	2.0:1	200nSec	10 W CW	Options: 5,12,15	90	Options: 5,12,15	90	X		TTL	SMA	X	
2665-1006-XY	2665 Series SP2T Switch Family, Broadband	8.0	12.0	2.50		55	2.0:1	200nSec	10 W CW	Options: 5,12,15	90	Options: 5,12,15	90	X		TTL	SMA	X	
2665-1007-XY	2665 Series SP2T Switch Family, Broadband	12.0	18.0	2.40		40	2.2:1	200nSec	10 W CW	Options: 5,12,15	90	Options: 5,12,15	90	X		TTL	SMA	X	
2665-1008-XY	2665 Series SP2T Switch Family, Broadband	12.0	18.0	2.80		55	2.2:1	200nSec	10 W CW	Options: 5,12,15	90	Options: 5,12,15	90	X		TTL	SMA	X	
2681-1001	2681 Series SP2T Switch, Broadband	2.0	8.0	1.50		60	1.5:1	20nSec	0.5 W CW	5	50	15	50	X		TTL	SMA, removable	X	
2681-1002	2681 Series SP2T Switch, Broadband	8.0	18.0	2.20		55	2.0:1	20nSec	0.5 W CW	5	50	15	50	X		TTL	SMA, removable	X	
2681-1003	2681 Series SP2T Switch, Broadband	2.0	18.0	2.50		55	2.1:1	20nSec	0.5 W CW	5	50	15	50	X		TTL	SMA, removable	X	
CCS35400	CCS35400 SP2T Switch, Broadband	2.0	6.0	1.50		60	1.5:1	500 nsec	1 W CW	5	65	-12	65		X	TTL	SMA		
CCS34920	CCS34920 SP2T Switch Family, Ultra-Broadband	0.1	40.0	5.50		60	2.1:1 - 0.1 to 18 GHz 2.5:1 - 18 to 40 GHz	200 nsec	+20 dBm	5, 12 options	100	-5, -12 options	70		X	Single, Dual TTL options	2.4 or 2.92 mm options		
CCS32820	CCS32820 SP2T Switch, High Power	14.4	15.35	2.00		30	1.5:1	<1 μsec	50 W CW	28 5	20 400			X		TTL, Dual	TNC	X	
CCS35620	CCS35620 SP2T Switch, Broadband	0.1	2.7	1.30		65	1.3:1	500 nsec	+33dBm	12					X	TTL	SMA		
CCS35320	CCS35320 SP2T Switch, Broadband	2.0	4.0	1.10		30	1.5:1	1.8 μsec	+60dBm Peak +53dBm Avg	28 5	20 400			X		TTL	N		
CCS35360-01	CCS35360-10 SP2T Switch, Broadband, High Power	6.0	18.0	2.25		40	2:1	1.8 μsec	+60dBm Peak +53dBm Avg	28 5	20 400			X		TTL	TNC		
CCS34760	CCS34760 SP2T Switch, Broadband, High Speed	0.5	18.0	2.50		65	2.1:1	130 nsec	+20 dBm	5	100	-15	75	X		TTL	SMA		
CCS34740	CCS34760 SP2T Switch, Broadband, High Speed	0.1	10.0	2.20		65	2.1:1	250 nsec	+20 dBm	5	100	-15	75	X		TTL	SMA		
CCS33160	CCS33160 SP2T Switch, High Power	6.0	18.0	1.80		40	2:1	500 nsec	2KW peak W CW	100 40	5 20	20	-5	150	X		TTL	TNC	X
CCS32620-04	CCS32620-04 SP2T Switch	4.0	10.0	2.00		60	1.5:1	2 μsec	+20 dBm	12	75				X	TTL	Pins	X	
SP3T Switches																			
2682-1001	2682 Series SP3T Switch, Broadband	0.5	2.0	1.20		70	1.5:1	25nSec	0.1W	5	115	15	55	X		TTL	SMA, removable	X	
2682-1002	2682 Series SP3T Switch, Broadband	2.0	8.0	1.80		70	1.8:1	25nSec	0.1W	5	115	15	55	X		TTL	SMA, removable	X	
2682-1003	2682 Series SP3T Switch, Broadband	6.0	18.0	2.50		70	2.0:1	25nSec	0.1W	5	115	15	55	X		TTL	SMA, removable	X	
2682-1004	2682 Series SP3T Switch, Broadband	2.0	18.0	2.80		65	2.0:1	25nSec	0.1W	5	115	15	55	X		TTL	SMA, removable	X	
CCS34320	CCS34320 SP3T Switch, Phase & Amplitude Matched	0.0	3.0	2.20		80	1.3:1	2 μsec	+23dBm	5	100	-15	60	X		TTL	SMA		
CCS35600-01	CCS35600-01 SP3T Switch, High Power	3.5	6.0	0.75		25	1.5:1	1.5 μsec	+48 dBm CW	28				X		TTL, Dual	SMA		
CCS35040	CCS35040 SP3T Switch, High Power	1.0	1.5	0.75		40	1.5:1	5 μsec	5 KW Peak, W CW	28 5	20 400			X		TTL	N		
SP4T Switches																			
CCS34280	CCS34280 SP4T Switch, High Power	0.1	0.5	0.80		40	1.8:1	50 μsec	650 W CW	5	500	-375	10	X		Quad TTL	N	X	
CCS34700	CCS34700 SP4T Switch, Broadband, High Speed	4.0	26.5	4.30		65	2:1	85 nsec	+20 dBm	5	150	-15	100	X		TTL	SMA		
CCS34780	CCS34700 SP4T Switch, Broadband, High Speed	0.1	10.0	2 dB - 0.05 to 4 GHz 3 dB - 4 to 10 GHz		60	1.8:1 - 0.05 to 4 GHz 2:1 - 4 to 10 GHz	250 nsec	+20 dBm	5	175	-12	175	X		TTL	SMA		
CCS34940	CCS34940 SP4T Switch Family, Ultra-Broadband	0.1	40.0	7.50		60	2.5:1	400 nsec	+20 dBm	12	100,150 options	-5, -12 options	150		X	TTL, Dual	2.4 or 2.92 mm options		
2683-1001	2683 Series SP4T Switch, Broadband	0.5	2.0	1.40		70	1.5:1	25nSec	0.1W	5	145	15	75	X		TTL	SMA, removable	X	
2683-1002	2683 Series SP4T Switch, Broadband	2.0	8.0	2.00		70	1.8:1	25nSec	0.1W	5	145	15	75	X		TTL	SMA, removable	X	
2683-1003	2683 Series SP4T Switch, Broadband	6.0	18.0	2.90		70	2.0:1	25nSec	0.1W	5	145	15	75	X		TTL	SMA, removable	X	
2683-1004	2683 Series SP4T Switch, Broadband	2.0	18.0	3.20		65	2.0:1	25nSec	0.1W	5	145	15	75	X		TTL	SMA, removable	X	
SP5T Switches																			
2684-1001	2684 Series SP5T Switch, Broadband	0.5	2.0	1.50		70	1.5:1	25nSec	0.1W	5	175	15	90	X		TTL	SMA, removable		
2684-1002	2684 Series SP5T Switch, Broadband	2.0	8.0	2.20		70	1.8:1	25nSec	0.1W	5	175	15	90	X		TTL	SMA, removable		
2684-1003	2684 Series SP5T Switch, Broadband	6.0	18.0	3.10		70	2.0:1	25nSec	0.1W	5	175	15	90	X		TTL	SMA, removable		
2684-1004	2684 Series SP5T Switch, Broadband	2.0	18.0	3.30		65	2.0:1	25nSec	0.1W	5	175	15	90	X		TTL	SMA, removable		
SP6T Switches																			
2963-1001	2963 Series SP6T Switch, Broadband	0.5	2.0	1.40		40	1.5:1	20nSec	0.5W		30		30	X			Pin	X	
2963-1002	2963 Series SP6T Switch, Broadband	2.0	8.0	1.90		50	1.8:1	20nSec	0.5W		30		30	X			Pin	X	
2963-1003	2963 Series SP6T Switch, Broadband	6.0	18.0	3.10		55	2.0:1	20nSec	0.5W		30		30	X			Pin	X	
2963-1004	2963 Series SP6T Switch, Broadband	2.0	18.0	3.30		50	2.2:1	20nSec	0.5W		30		30	X			Pin	X	
2964-1001	2964 Series SP6T Switch, Broadband	0.5	2.0	2.10		50	1.7:1	1 μsec	0.1W		30		30		X		Pin	X	
2964-1002	2964 Series SP6T Switch, Broadband	2.0	8.0	2.80		50	1.9:1	1 μsec	0.1W		30		30		X		Pin	X	
2964-1003	2964 Series SP6T Switch, Broadband	6.0	18.0	3.80		45	2.0:1	1 μsec	0.1W		30		30		X		Pin	X	
2964-1004	2964 Series SP6T Switch, Broadband	2.0	18.0	4.00		45	2.2:1	1 μsec	0.1W		30		30		X		Pin	X	
SP25T Switches																			
CCS30170	CCS30170 SP25T Switch, Broadband	0.5	18.0	7.50		60	2.25:1	2 μsec	+20 dBm	5	220	-12	45		X	TTL	SMP	X	
DPDT Switches																			
2678-1001-XY	2678 Series, DPDT Switch Family, Broadband	0.5	2.0	1.40		45	1.5:1	50nSec	0.1W		150		150	X		TTL	Option: SMA,SMC, Pins		
2678-1002-XY	2678 Series, DPDT Switch Family, Broadband	2.0	8.0	1.80		45	1.7:1	50nSec	0.1W		150		150	X		TTL	Option: SMA,SMC, Pins		
2678-1003-XY	2678 Series, DPDT Switch Family, Broadband	6.0	18.0	2.80		45	2.0:1	50nSec	0.1W		150		150	X		TTL	Option: SMA,SMC, Pins		
2678-1004-XY	2678 Series, DPDT Switch Family, Broadband	2.0	18.0	3.00		45	2.2:1	50nSec	0.1W		150		150	X		TTL	Option: SMA,SMC, Pins		