

## Switches

Part Number	Min Freq (MHz)	Max Freq (MHz)	Insertion Loss (dB)	Isolation (dB)	Input IP3 (dBm)	Package
<b>SPST</b>						
MASW-001150-1316	45	2500	0.3	65	40	Die
MASW6020G	100	6000	0.9	45	46	Die
MA4SW110	50	26500	0.6	48	40	HMIC Die
MA4AGSW1A	50	50000	1.2	48	—	Die
MA4AGSW1	50	50000	0.2	43	—	Die
MASW-008177	5	1000	0.6	53	52	3 mm PQFN-12
MASWSS0162	50	2500	1	48	46	SOIC-8
SW-209-PIN	0	3000	1.5	27	40	CR-2,CR10
SW05-0311	0	3000		40	46	CR-9
MASWSS0148	300	4000	1.6	51	49	3 mm PQFN-12
SW-231-PIN	5	4000	2	22	46	FP-16
<b>SPDT</b>						
MASW2000	0	3000	0.4	45	53	Die
MASW4030G	50	4000	0.6	53	46	Die
MASW-008206-000DIE	2400	5800	0.7	30	54	Die
MASW6010G	200	6000	0.6	45	46	Die
MASW6010	0	6000	0.5	52	46	Die
MASW-009590	1000	8000	0.5	24	52	Die
MASW-010647	8000	10500	0.8	37	60	Die
MASW-011021	6000	14000	0.7	34	60	SURMOUNT™ Die
MASW-002102-13580	2	18000	1.8	55	40	Die
MASW20000	50	20000	1.4	58	43	Die
MASW-002103-1363	50	20000	0.8	38	40	SURMOUNT™ Die
MA4SW210B-1	2000	26000	1.2	48	40	Die
MASW-011052	2000	26000	0.8	50	43	Die
MA4SW210	50	26500	0.6	52	40	HMIC Die
MASW-002100-1191	50	26500	0.3	65	40	Die
MASW-001100-1190	50	26500	0.3	65	40	Die
MASW-011107-DIE	DC	26500	1.3	46	45	Die
MASW-010646	26000	40000	0.6	39	60	Die
MASW-011036	26000	40000	0.7	40	60	Die
MASW-011068 • Reflective	20000	40000	0.7	28	55	Die
MA4AGSW2	50	50000	0.6	46	—	Die
MASWSS0103	5	1000	0.8	71	47	4 mm PQFN-20
MA8334-004	20	1000	0.4	25	—	844-004
MA8334-001	20	1000	0.4	25	80	844-001
MASWSS0161	500	2000	0.6	30	55	SOIC-8
MASWSS0179	50	2000	0.5	28	52	SOT-26
MASWSS0201	0	2500	1	45	44	3 mm PQFN-12
MASWSS0180	50	2500	0.7	38	46	SOIC-8
MASWSS0157	50	2500	0.7	35	45	SOIC-8
MASW-007221	500	3000	0.4	22	52	SC-70 (SOT-363)
MASW-008899	500	3000	0.3	24	48	SC-70 (SOT-363)
MASW-007075-000100	0	3000	1.8	36	46	SOW-24
MASWSS0166	900	3000	0.4	21	55	SC-70 (SOT-363)
MASWSS0151	0	3000	0.6	32	55	SC-70 (SOT-363)
MASW-007072-000100	0	3000	0.6	30	46	SOIC-16
MASW-007935	0	3000	0.7	34	50	SOT-26
MASWSS0192	50	3000	0.2	24	53	SC-70 (SOT-363)

• Not yet released

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<b>SPDT (continued)</b>						
MASWSS0143	100	3000	0.4	18	58	SOT-26
MASWSS0204	300	3000	0.3	22	56	SC-70 (SOT-363)
SW-313-PIN	50	3000	0.8	52	46	CR-9
MASWSS0181	300	3000	0.5	23	57	SOT-26
MASWSS0136	0	3000	0.4	27	48	SC-70 (SOT-363)
MASWSS0176	50	3000	0.3	23	45	SOT-26
MASWSS0178	10	3000	0.6	57	43	MSOP-8
MASWSS0169	100	3000	0.7	48	50	MSOP-10
MASWSS0167	500	3000	0.4	28	48	1.2 x 1.5 mm PQFN-6
MASWSS0115	50	3000	0.3	24	46	SC-70 (SOT-363)
MASWSS0121	500	3000	0.7	54	46	4 mm PQFN-16
MASW-009101	5	3000	1	65	39	3 mm PQFN-16
MASW-008801	5	3000	0.8	85	47	3 mm PQFN-16
SW-228-PIN	0	4000	0.7	42	46	CR-2
MASW-007071-000100	0	4000	1.8	30	46	4 x 6 mm PQFN
SW-226-PIN	0	4000	1	48	46	CR-2
SW-227-PIN	0	4000	1	50	46	CR-2
MASW-009588	500	4000	0.4	26	55	1 mm PDFN-6
MASW-000932	10	4000	53	43	72	4 mm PQFN-16
MASW-008543	10	4000	0.7	58	53	MSOP-8
MASW-008853	0	5000	0.2	25	56	SC-70 (SOT-363)
MASW-011043	0	6000	0.6	30	—	2 mm STQFN-12
MASW-000834-13560T	50	6000	0.2	53	65	4 mm PQFN-16
MASW-000825-12770T	50	6000	0.3	35	64	3 mm PQFN-16
MASW-007588	1000	6000	0.9	28	55	3 mm PQFN-12
MASW-000822-12770T	50	6000	0.2	32	60	3 mm PQFN-16
MASWSS0202	1000	6000	0.6	29	52	3 mm PQFN-12
MASWSS0093	50	6000	0.8	28	55	3 mm PQFN-12
MASW-009444	200	6000	0	28	54	1 mm PDFN-6
MASW-000936	50	6000	0.2	45	72	4 mm PQFN
MASW-007921	50	7000	0.7	30	58	2 mm PDFN-8
MASW-007107	0	8000	0.5	30	54	2 mm PQFN-8
MASW-011071	8000	10500	1	38	60	7 mm PQFN-44
MASW-008322	500	20000	1	45	48	4 mm PQFN-24
MASW-011057 • Reflective	13000	20000	0.8	42	55	4 mm QFN-20
MASW-011067 • Absorbative	13000	20000	0.9	36	53	4 mm QFN-20
MASW-011098	26000	40000	1.17	38	—	5 mm 20-LD laminate
<b>SP3T</b>						
MASW-009276-001DIE	1000	4000	0.7	27	55	Die
MASW-011053	2000	18000	0.8	50	48	Die
MASW-003102-13590	2000	18000	0.8	50	40	Die
MASW-003103-1364	50	20000	0.8	40	40	SURMOUNT™ Die
MA4SW310B-1	2000	26000	1.2	47	40	Die
MA4SW310	50	26500	0.8	48	40	Die
MASW-003100-1192	50	26500	0.3	65	40	Die
MA4AGSW3	50	50000	0.6	48	—	Die
MASW-011029	75000	100000	1.3	33	—	Die
MASW-011074 • Asymmetrical	100	1000	0.45	57	60	12 mm WHQFN-28
MASW-011041	50	1500	0.3	51	73	9 mm HQFN-20
MASWSS0200	500	2500	0.6	24	61	3 mm PQFN-12

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<b>SP3T (continued)</b>						
MASWSS0199	0	2500	0.5	30	58	3 mm PQFN-12
MASW-011030	50	2500	0.4	27	77	7 mm HQFN-16
MASW-007074-000100	0	3000	2	32	45	SOW-24
MASWSS0144	500	3000	0.6	24	55	3 mm PQFN-12
MASW-008955	0	3000	0.5	22	54	2 mm PDFN-8
MASW-008330	500	3000	0.3	24	50	2 mm PQFN-8
MASWSS0191	500	3000	0.6	30	58	2 mm VTDFN-8
MASW-010612	0	3500	0.6	21	54	1.5 mm PDFN-8
MASW-009359	0	4000	0.6	27	65	2 mm STQFN-12
MASW-009482	50	4000	0.7	23	65	2 mm STQFN-12
<b>SP4T</b>						
MA4AGSW4	50	50000	0.8	42	40	Die
MA4SW410B-1	2000	18000	0.8	48	40	Die
MA4SW410	50	26500	0.7	48	40	Die
MASW4060G	0	4000	1.3	50	46	Die
MA4SW424B-1	10	24000	2.5	50	—	Die
MASW-004102-12760	2	18000	1.5	50	40	Die
MASW-004103-1365	50	20000	0.8	50	63	SURMOUNT™ Die
MASW-004100-1193	50	26500	0.3	65	40	Die
MASW-004240-13170	10	24000	2.5	50	—	Die
MASW-011087	27000	30000	0.85	50	55	Die
MASW-011075 • Asymmetrical	100	1000	0.45	57	60	12 mm WHQFN-28
MASW-011040	50	1500	0.3	51	73	9 mm HQFN-20
MASWCC0010	0	4000	2.3	38	40	CSP-2
MASWCC0009	3	3000	1.4	42	46	QSOP24
MASW-007813-000000	500	3000	0.8	27	58	3 mm PQFN-16
MASW-008566	50	3000	0.7	26	57	4 mm PQFN-16
<b>SP5T</b>						
MA4SW510B-1	2000	18000	0.9	40	40	Die
MASW-005102-13600	2000	18000	0.9	40	40	Die
MA4SW510	50	26500	0.9	38	40	Die
MASW-005100-1194	50	26500	0.9	38	40	Die
MASW-006102-13610	50	26500	0.3	65	40	Die
MA4AGSW5	50	50000	1.1	47	40	Die
MASW-010351	10	4000	1.4	57	50	4 mm PQFN-24
<b>SP6T</b>						
MASWSS0091	500	2500	0.5	45	—	Die
MA4SW610B-1	2000	18000	1.3	45	40	Die
MASW-006102-13610	50	26500	1.3	45	40	Die
MASWCC0006	0	4000	2.1	25	40	CSP-2
<b>SP8T</b>						
MA4AGSW8-1	50	50000	1.5	37	40	Die

• Not yet released

Note: Part numbers are RoHS compliant ♦ indicates non-RoHS compliant  
Detailed specifications can be found quickly on our website at [macom.com](http://macom.com) by typing the part number into the search box.  
All specifications are subject to change.

## Switches (continued)

Part Number	Min Freq (MHz)	Max Freq (MHz)	Insertion Loss (dB)	Isolation (dB)	Input IP3 (dBm)	Package
<b>DPDT</b>						
MASW2040	0	2000	0.4	20	46	Die
MASW6030G	0	6000	0.6	40	45	Die
MASWSS0184	200	4000	0.7	35	58	3 mm PQFN-12LD
MASW-007587-000000	200	4000	0.7	38	59	3 mm PQFN-12LD
MASWSS0190	2000	6000	0.8	43	50	2 mm UTQFN-8LD
MASWSS0130	500	3000	0.7	27	55	3 mm PQFN-12LD
MASWSS0129	2000	6000	0.8	34	51	3 mm PQFN-12LD
MASWSS0107	1000	6000	1.2	33	51	3 mm PQFN-12LD
MASW-009460	500	3000	0.6	19	52	3 mm PQFN-12LD

## Phase Detectors

Part Number	SRD VBR Min (V)	SRD CJ Typ (pF)	SRD TL Typ (ns)	SRD TT Max (ps)	Cap CT Typ (pF)	SD CJ Typ (pF)	SD VF Typ	SD RD Typ (mV)	FMW Typ (GHz)	Package
MSPD1000-E50	15	1	35	95	20	0.4	270	7	0.5	E50 / E50SM
MSPD1000-H50	15	1	35	95	20	0.4	270	7	0.5	H50
MSPD1002-E50	15	0.5	20	70	3.5	0.22	270	8	2	E50 / E50SM
MSPD1002-H50	15	0.5	20	70	3.5	0.22	270	8	2	H50
MSPD1011-121	15	22	10	100	0.5	0.08	300	20	20	CS121
MSPD1011-122	15	22	10	100	0.5	0.08	300	20	20	CS122
MSPD1012-121	15	22	10	100	0.5	0.08	450	20	20	CS121
MSPD1012-122	15	22	10	100	0.5	0.08	450	20	20	CS122
MSPD1012-E50	15	0.5	10	70	2.5	0.18	270	9	12	E50 / E50SM
MSPD1012-H50	15	0.5	10	70	2.5	0.18	270	9	12	H50
MSPD1013-121	15	22	10	100	0.5	0.08	550	20	20	CS121
MSPD1013-122	15	22	10	100	0.5	0.08	550	20	20	CS122
MSPD2018-E50	15	0.35	5	55	0.6	0.1	430	16	22	E50 / E50SM
MSPD2018-H50	15	0.35	5	55	0.6	0.1	430	16	22	H50