

Figure of Merit

DR(Drop Replacement): Pin-to-pin Replacement

PR (Performance Replacement): Not Pin-to-pin but performance compatible

*If not specified, the data @ 900 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ADA4543	3.4	15	15.7	-	15.1	14.5	-	-	14.6	-	15.0	14.5	-	-	1.9	2.0	3.7	4.1	-	-	SOT343	
ASB	AWG0015E	3	35	15.9	15.4	15.0	13.6	13.0	12.1	25.0	27.0	25.0	25.0	23.0	18.0	16.0	15.0	2.2	2.7	-	-	SOT363	PR
	ASL33C	3.7	20	21.0	19.7	17.7	13.3	11.0	10.0	22.0	24.0	24.0	25.0	25.0	25.0	9.0	9.0	1.0	1.3	-	-	SOT363	PR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ADA4643	3.5	35	17.5	-	17.0	14.5	14.0	13.0	29	29	28	24	22	20	13.4	11.0	4.0	4.4	-12	-12	SOT343	
ASB	ASF140	2	50	17.2	16.2	14.9	-	-	-	31	26	25	-	-	-	14.5	-	2.3	-	-13	-10	SOT343	DR
	ASF140	3.3	86	17.4	16.8	15.8	-	-	-	38	36	34	-	-	-	19.0	-	2.5	-	-14	-12	SOT343	Better performance
	AWG0015E	3	35	15.9	15.6	15.5	14.9	14.7	14.6	25	27	27	24	21	16.0	16.0	2.2	2.8	-20	-15	SOT363	PR	
	ASW126	3.3	37	-	22.6	20.1	14.4	12.9	9.6	-	30	31	34	34	33	17.0	17.5	3.7	3.9	-20	-11	SOT363	

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ADA4743	3.8	60	16.6	16.6	16.6	15.0	15.0	15.0	33.4	33.0	32.6	28.0	26.0	25.0	17.1	15.1	4.2	4.3	-13	-14	SOT343	
ASB	ASF140	2.35	60	17.4	16.5	15.2	-	-	-	34	29.3	28.1	-	-	-	16.4	-	2.3	-	-13	-11	SOT343	DR
	ASF140	3.3	86	17.4	16.8	15.8	-	-	-	38.0	36.0	34.0	-	-	-	19.0	-	2.5	-	-14	-12	SOT343	DR
	AWG1017E	3.3	65	17.6	17.3	17.1	16.4	16.2	16.2	33.5	35.0	34.5	33.0	28.0	25.0	17.5	17.5	2.0	2.5	-20	-17	SOT363	PR
	ASW126	3.3	37	-	22.6	20.1	14.4	12.9	9.6	-	30.0	31.0	33.5	33.5	33.0	17.0	17.5	3.7	3.9	-20	-11	SOT363	

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Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ATF50189	4.5	280	-	-	21.5	15.5	-	-	-	-	44	45	-	-	28.5	29.0	1.0	1.1	-	-	SOT89	
ASB	ASX401	5	290	-	-	19.5	13.0	10.0	-	-	-	47	46	46	-	29.5	29.5	4.5	4.2	-16	-16	SOT89	DR
	ASL425	5	350	-	-	34.0	22.0	20.0	17.5	-	-	45	47	36	45	29.0	29.5	1.0	1.4	-14	-14	SOIC8	PR

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Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ATF34143	4	60	-	-	21.5	17.5	-	-	-	-	31.0	30.0	-	-	18.5	20.0	0.40	0.50	-	-	SOT343	
ASB	AST54S	3.3	40	-	-	19.0	12.8	12.5	10.0	-	-	30.0	34.0	34.0	37.5	18.0	19.0	0.40	0.50	-18	-10	SOT343	DR
	ASL5543	3.3	54	-	-	-	16.3	14.4	-	-	-	-	-	-	-	17.0	-	0.85	-15	-12	SOT343	DR	

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ATF58143	3	30	-	-	23.1	16.5	-	-	-	-	28.6	30.5	-	-	18	19	0.30	0.50	-	-	SOT343	
ASB	AST54S	3.3	40	-	-	19.0	12.8	12.5	10.0	-	-	30.0	34.0	34.0	37.5	18	19	0.40	0.50	-18	-10	SOT343	DR
	ASL5543	3.3	54	-	-	-	16.3	14.4	-	-	-	-	-	-	-	17	-	0.85	-15	-12	SOT343	DR	

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Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	4200	50	500	900	2000	2500	4200	900	2000	900	2000				
AVAGO	MGA53543	5	54	-	-	17.4	15.4	15.1	11	-	40.0	39.7	39.1	38.7	28.0	19.3	18.6	1.30	1.50	-13	-14	SOT343	
	ASL5543	3.3	54	-	-	-	16.3	14.4	-	-	-	-	36.0	34.0	-	-	17.0	2.40	2.50	-15	-12	SOT343	DR 1500-2700MHz
	ASL03S	4.4	45	-	-	19.0	13.0	11.0	-	-	-	32.5	35	35.0	35.0	19.5	19.5	0.80	0.90	-18	-10	SOT343	DR upto 1500MHz
	AHB5414S4	5	75	13.7	14.2	14	12.7	12.5	9.9	35.5	36.0	36.4	33.7	34.0	33.0	19.8	18.2	2.40	2.50	-9	-9	SOT343	PR up to 4200MHz
	ASL51S9	3.3	55	-	-	-	16.3	-	-	-	-	-	37.0	-	-	17.5	-	0.80	-	-18	-11	SOT89	PR 1700-3000MHz
	ASL41S9	5	72	-	19.4	17.5	-	-	-	-	37.5	38.0	-	-	-	22.5	-	0.55	-	-18	-12	SOT89	PR 600-1500MHz
	AWG2017	3.3	87	17.8	17.6	17.4	16.9	16.6	16.5	37.0	38.0	37.0	37.0	34.0	30.0	18.0	18.0	1.90	2.30	-20	-18	SOT89	

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA61563	3	41	-	20.0	19.3	15.5	-	-	-	30	30	32	-	-	15	15	0.9	1.0	-	-	SOT363	
	AWG0123E	3	43	23.0	22.7	22.3	20.6	19.8	-	30	30	30	30	-	-	17	17	1.5	2.1	-15	-18	SOT363	DR
	AWG0120E	3	51	20.3	20.0	19.5	18.5	18.1	-	30	31	31	30	-	-	17	17	1.8	2.2	-20	-18	SOT363	DR
ASB	AWG0117E	3	50	17.4	17.1	16.9	16.2	16.1	-	29	31	31	30	25	-	16	16	2.0	2.5	-18	-17	SOT363	DR
	AWG0115E	3	59	15.3	15.0	14.6	14.2	14.1	-	31	32	32	31	26	-	15	15	2.3	2.9	-20	-17	SOT363	DR
	ASL33C	4.15	35	-	19.7	17.7	13.3	-	-	-	30	30	30	-	-	17	16	0.9	1.0	-18	-10	SOT363	PR

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ATF541M4	3	60	-	25.0	23.0	17.5	17.0	15.0	-	34.0	35.0	35.8	37.0	37.0	19.5	21.4	0.30	0.50	-	-	MiniPak 1.4 mm x 1.2 mm	
	ASL51T8	4.5	57	-	22.5	18.0	12.4	-	-	-	33.0	37.0	31.0	-	-	21.0	17.0	0.37	1.00	-18	-20	TDFN8	PR 600-1500MHz
ASB	ASL54T8	4.8	45	-	-	-	16.5	14.3	-	-	-	-	37.0	38	-	19.5	-	0.70	-	-20	-12	TDFN8	PR 1700-3000MHz
	AST54S	3.3	40	-	-	19.0	12.8	12.5	10.0	-	-	30.0	34.0	34.0	37.5	18.0	19.0	0.40	0.50	-18	-10	SOT343	
	AST54S	3.4	60	-	-	19.0	12.8	12.5	10.0	-	-	32.0	36.0	35.0	37.5	19.0	20.0	0.40	0.50	-18	-10	SOT343	

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ATF54143	3	60	30.0	25.0	23.4	16.6	15.0	14.0	30.0	33.0	35.5	36.2	37.0	37.0	18	20	0.3	0.5	-	-	SOT343	
ASB	AST54S	3.3	40	-	-	19.0	12.8	12.5	-	-	-	30.0	34.0	34.0	-	18	19	0.4	0.5	-18	-10	SOT343	DR

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ATF53189	4	135	-	-	17.2	15.5	15.0	-	-	-	42.0	40.0	38.6	-	21.7	23.0	0.80	0.85	-	-	SOT89	
	AWG3017	4.6	140	-	19.0	17.9	17.2	16.9	-	-	42.0	41.0	41.0	41.0	-	21.5	21.5	2.10	2.40	-20	-18	SOT89	DR
ASB	AWG3023	3.6	104	-	-	23.8	22.2	21.5	-	-	-	38.0	38.0	37.0	-	20.0	20.0	1.40	1.90	-18	-15	SOT89	DR
	ASL19C	4	68	-	-	19.5	13.0	-	-	-	-	35.5	37.5	-	-	21.0	21.5	0.80	0.90	-18	-14	SOT89	
	ASL52D6	5	50	-	-	24.0	21.0	-	-	-	-	33.0	34.0	-	-	19.0	18.0	0.55	0.65	-18	-10	DFN6	

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ATF531P8	4	135	-	-	25.0	20.0	-	-	-	-	37.0	38.0	-	-	23.0	24.5	0.60	0.60	-	-	TDFN8	
	ASL51T8	4.5	57	-	22.5	18.0	12.4	-	-	-	33.0	37.0	31.0	-	-	21.0	17.0	0.37	1.00	-18	-20	TDFN8	DR
ASB	ASL52D6	5	50	-	-	24.0	21.0	-	-	-	-	33.0	34.0	-	-	19.0	18.0	0.55	0.65	-18	-10	DFN6	
	ASL41S9	5	72	-	19.4	17.5	-	-	-	-	37.5	38.0	-	-	-	22.5	-	0.55	-	-18	-12	SOT89	

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ABA53563	5	46	-	21.5	21.5	21.5	21.0	20.0	-	27.0	26.0	22.9	21.0	20.0	15.0	12.7	3.1	3.5	-	-	SOT363	
ASB	AWG0123E	3	43	23	22.7	22.3	20.6	19.8	-	30.0	30.0	30.0	30.0	-	-	17.0	17.0	1.5	2.1	-15	-18	SOT363	DR

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ABA54563	5	90	-	23.0	23.0	23.0	23.0	21.0	-	37	34	28	26	25	18.0	16.1	4.2	4.4	-	-	SOT363	
ASB	AWG1023E	3.3	72	-	23.5	22.8	21.0	20.2	20.0	-	35	36	33	30	27	18.0	18.0	1.5	2.2	-17	-16	SOT363	DR

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA632P8	4	57	-	-	-	17.6	-	-	-	-	-	33.9	-	-	19.2	-	0.62	-23	-14	TDFN8		
ASB	AHL5218T8	5	65	-	-	-	18.9	16.8	-	-	-	-	35.0	35.0	-	20	-	0.37	-15	-18	TDFN8	DR	
	ASL54T8	4.8	45	-	-	-	16.5	14.3	-	-	-	-	37.0	38.0	-	19.5	-	0.65	-18	-12	TDFN8	DR	

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA634P8	5	48	-	-	-	17.4	-	-	-	-	-	36	-	-	21.0	-	0.44	-16	-13	QFN8		
ASB	AHL5218T8	5	65	-	-	-	18.9	16.8	-	-	-	-	35.0	35.0	-	20	-	0.37	-15	-18	TDFN8	DR	
	AHL5220T8	5	65	-	-	-	20.5	18.4	-	-	-	-	35	34.5	-	19.0	-	0.35	-11	-18	TDFN8	DR	
	ASL54T8	4.8	45	-	-	-	16.5	14.3	-	-	-	-	37.0	38.0	-	19.5	-	0.65	-18	-12	TDFN8	DR	

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA635P8	5	56	-	-	-	20.0	18.0	16.0	-	-	-	34	36	36	-	22.5	-	0.45	-	-	QFN8	
ASB	AHL5218T8	5	65	-	-	-	18.9	16.8	-	-	-	-	35.0	35.0	-	20	-	0.37	-15	-18	TDFN8	DR	
	AHL5220T8	5	65	-	-	-	20.5	18.4	-	-	-	-	35	34.5	-	19.0	-	0.35	-11	-18	TDFN8	DR	
	ASL54T8	4.8	45	-	-	-	16.5	-	-	-	-	-	37	-	-	19.5	-	0.70	-17	-12	TDFN8		
	AST54S	3.3	40	-	-	-	19.0	12.8	12.5	-	-	-	30	34	34	-	18.0	19.0	0.40	0.50	-18	-10	SOT343

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA30216	5	206	-	-	-	14	11.2	-	-	-	-	45.3	43.3	-	-	29	-	2.8	-18	-22	QFN16 3x3	
ASB	ASX401	4.4	190	-	-	19	13	-	-	-	-	41	42	-	-	28.5	28.5	-	-	-	-	SOT89	PR
	ASX401	4.8	260	-	-	19.5	13	-	-	-	-	44	44	-	-	29.5	28.5	-	-	-	-	SOT89	PR
	ASW318	8	150	-	-	-	14.5	13.9	13	-	-	-	45.5	44	40	-	25	-	2.5	-9	-8	SOT89	
	ASL425	5	350	-	-	-	20	19.5	-	-	-	-	46	45	-	-	29.5	-	1.5	-11	-15	SOIC8	

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA53589	5	52	-	-	18.2	15.8	15.3	-	-	-	36.8	37.0	37.2	-	18.6	18.2	1.24	1.66	-14	-16	SOT89	
ASB	AWG2020	3.3	85	21.0	20.7	20.4	19.5	19.1	18.9	36.0	37.0	37.0	37.0	34.0	31.0	18.0	18.0	1.60	2.00	-20	-16	SOT89	DR

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000					
AVAGO	MGA631P8	4	54	-	-	17.5	-	-	-	-	-	32.6	-	-	-	18	-	0.53	-	-19	-23	TDFN8		
ASB	ASL51T8	4.5	57	-	22.5	18.0	12.4	-	-	-	-	33.0	37.0	31.0	-	-	21	17	0.37	1.00	-18	-20	TDFN8	DR

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA633P8	5	54	-	16.0	18.0	12.0	-	-	-	36	37	40	-	-	22	-	0.37	-	-15	-21	QFN8	
ASB	ASL51T8	4.4	57	-	22.5	18.0	12.4	-	-	-	33	37	31	-	-	21	17	0.37	1.00	-18	-20	TDFN8	DR

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				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA30116	5	200	-	-	17.0	-	-	-	-	-	44.1	-	-	-	27.7	-	2.0	-	-14	-14	QFN	
ASB	ASX401	4.4	190	-	-	19.0	13.0	-	-	-	-	41.0	42.0	-	-	28.5	28.5	4.5	4.2	-14	-16	SOT89	
	ASX401	5	290	-	-	19.5	13.0	10.0	-	-	-	47.0	46.0	46.0	-	29.5	29.5	4.5	4.2	-15	-18	SOT89	
	ASX415	5	155	-	-	20.0	14.3	11.5	-	-	-	42.5	42.0	37.0	-	29.0	27.0	4.2	4.6	-14	-13	SOT89	

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ALM32220	5	800	-	-	-	14.8	13.5	-	-	-	50.0	50.0	-	-	34.4	-	3.5	-9	-9	MCOB		
ASB	ASX521	5	870	-	-	28.0	19.0	18.5	16.5	-	-	48.0	48.0	48.0	-	32.0	31.5	11.0	5.6	-16	-9	SOIC8	PR
	ASX602	5	580	-	-	16.5	10.5	8.5	-	-	-	48.0	48.0	43.5	-	33.0	32.0	4.9	5.2	-15	-10	SOIC8	PR

*If not specified, the data @ 900 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ALM31122	5	394	-	-	15.6	-	-	-	-	-	47.6	-	-	-	31.6	-	2.0	-	-14	-11	MCOB	
ASB	ASX401	5	290	-	-	19.5	-	-	-	-	-	47.0	-	-	-	29.5	-	-	-	-	-	SOT89	PR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA31189	5	111	-	21.0	21.0	-	-	-	-	41.5	42.0	-	-	-	24.0	-	2.0	-	-16	-13	SOT89	
ASB	AWB459	5	130	-	23.5	20.0	-	-	-	-	40.0	39.0	-	-	-	23.5	-	1.2	-	-12	-18	SOT89	DR
	AWG3020	3.9	104	-	20.9	20.6	19.7	-	-	-	39.0	39.0	39.0	-	-	20.0	20.0	1.6	2.1	-18	-13	SOT89	DR
	AWG3017	4.5	123	-	17.7	17.6	17.1	16.8	-	-	40.0	40.0	40.0	40.0	-	21.0	20.5	2.0	2.4	-20	-15	SOT89	DR

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA31289	5	124	-	-	-	18.7	17.7	-	-	-	41.8	41.5	-	-	23.6	-	2.0	-16	-10	SOT89		
ASB	AWG3020	3.9	104	-	-	20.6	19.7	19.3	-	-	-	39.0	39.0	39.0	-	20.0	20.0	1.6	2.1	-20	-15	SOT89	DR
	AWG3017	4.5	123	-	-	17.6	17.1	16.8	-	-	-	40.0	40.0	40.0	-	21.0	20.5	2.0	2.4	-20	-15	SOT89	DR
	ASW314	5	105	-	-	16.0	14.5	14.5	-	-	-	44.0	43.0	38.0	-	21.0	23.0	1.9	3.0	-13	-13	SOT89	PR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	1500	2500	3000	50	500	900	1500	2500	3000	900	1500	900	1500				
AVAGO	MGA31389	5	73	-	21.5	21.3	20.2	-	-	-	38	38	39	-	-	22	22	2.0	2.0	-11	-20	SOT89	
ASB	AWG3020	3.9	104	-	20.7	20.6	20.4	-	-	-	40	39	39	-	-	20	20	1.6	1.9	-18	-15	SOT89	DR
	AWG3023	3.6	104	-	24.2	23.8	22.2	-	-	-	38	38	38	-	-	20	20	1.4	1.9	-18	-15	SOT89	DR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA31489	5	69	-	-	-	19.5	20.5	-	-	-	37	37	-	-	22	-	1.9	-18	-21	SOT89		
ASB	AWG2020	3.9	104	21	20.7	20.4	19.5	19.1	-	-	-	37	34	-	-	18	18	1.6	2.0	-20	-16	SOT89	DR
	AWG2023	3.6	104	24	23.7	23.1	21.6	20.9	-	-	-	36	35	-	-	19	19	1.4	1.8	-18	-15	SOT89	DR
ASB	AWG3020	3.9	104	-	-	-	19.7	19.3	-	-	-	39	39	-	-	20	-	2.1	-18	-15	SOT89	DR	
	AWG3023	3.6	104	-	-	-	22.2	21.5	-	-	-	38	37	-	-	20	-	1.9	-18	-15	SOT89	DR	

*If not specified, the data @ 900 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA31589	5	146	-	-	20.4	-	-	-	-	-	45	-	-	-	27	-	1.9	-	-1.98	-2.25	SOT89	
ASB	ASX415	5	155	-	-	20.0	-	-	-	-	-	43	-	-	-	29	-	4.2	-	-14	-13	SOT89	DR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ALM32120	5	800	-	-	14.3	-	-	-	-	-	52	-	-	-	34.4	-	2.5	-	-26	-10	MCOB	
ASB	ASX601	5	850	-	-	16.0	-	-	-	-	-	49	-	-	-	32.7	-	5.6	-	-18	-14	SOT89	

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ALM11236	5	99	-	-	-	15.9	-	-	-	-	-	-	-	-	18.4	-	0.67	-	-19	-23	MCOB	
ASB	ASL54T8	4.8	45	-	-	-	16.5	-	-	-	-	-	-	-	-	19.5	-	0.70	-	-17	-12	TDFN8	PR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ALM11336	5	100	-	-	-	15.3	-	-	-	-	-	-	-	-	18.1	-	0.72	-	-23	-28	MCOB	
ASB	ASL54T8	4.8	45	-	-	-	16.5	-	-	-	-	-	-	-	-	19.5	-	0.70	-	-17	-12	TDFN8	PR

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA52543	5	53	-	-	15.0	14.2	-	-	-	-	33.0	31.7	-	-	18.0	17.4	1.8	1.9	-11	-20	SOT343	
ASB	ASL5543	3.3	54	-	-	-	16.3	14.4	-	-	-	-	-	-	-	17.0	-	0.8	-	-15	-12	SOT343	DR
	AWG0115E	3	59	-	-	14.6	14.2	-	-	-	-	32.0	31.0	-	-	15.0	15.0	2.3	2.9	-20	-17	SOT363	PR
	AWG1015E	3.3	77	-	-	15.0	14.5	-	-	-	-	37.0	34.0	-	-	17.0	17.0	2.3	2.9	-18	-15	SOT363	PR
	AWG1023E	3.3	72	-	-	22.8	21.0	-	-	-	-	36.0	33.0	-	-	18.0	18.0	1.5	2.2	-14	-18	SOT363	PR

*If not specified, the data @ 900 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark	
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000					
AVAGO	MGA31716	5	68	-	21.0	20.6	20.0	-	-	-	-	42.5	39.5	40.5	-	-	22	21	1.9	2.1	-	-	QFN16	@200-400MHz, @900-1100MHz
ASB	AWG3020	3.9	104	-	20.9	20.6	19.7	-	-	-	-	39.0	39.0	39.0	-	-	20	20	1.6	2.1	-18	-13	SOT89	PR
	ASF255	5	102	-	21.9	-	-	-	-	-	-	40.0	-	-	-	-	23	-	2.3	-	-11	-13	SOT89	PR

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark	
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000					
AVAGO	MGA31816	5	-	-	-	-	19.4	-	-	-	-	-	-	-	-	20.7	-	1.56	-	-18	-10	QFN16		
ASB	AWG3020	3.9	104	-	20.9	20.6	19.7	-	-	-	-	39.0	39.0	39.0	-	-	20.0	20.0	1.60	1.60	-18	-13	SOT89	PR
	ASL41S9	5	90	-	19.5	17.6	-	-	-	-	-	40.0	43.0	-	-	-	23.0	-	0.55	-	-	-	SOT89	

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark	
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000					
AVAGO	ATF33143	4	80	-	-	21.0	15.0	-	-	-	-	32.5	33.5	-	-	21	22	0.5	0.5	-	-	SOT343		
ASB	AST20S	3.44	40	-	-	18.0	15.0	13.0	-	-	-	29.0	33.0	33.0	-	-	16	18	0.6	0.7	-11	-13	SOT363	
	AST54S	3.3	40	-	-	19.0	12.8	12.5	-	-	-	30.0	34.0	34.0	-	-	18	19	0.4	0.5	-18	-10	SOT343	
	AST54S	3.4	60	-	-	19.0	12.8	12.5	10.0	-	-	-	32.0	36.0	35.0	37.5	19	20	0.4	0.5	-18	-10	SOT343	

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ATF52189	4.5	200	-	-	16.5	16.0	-	-	-	-	42.0	42.0	-	-	27.2	27.0	1.25	1.50	-	-	SOT89	
ASB	ASL425	5	350	-	-	34.0	22.0	20.0	17.5	-	-	45.0	47.0	46.0	45.0	29.0	29.0	1.00	1.00	-14	-14	SOIC8	
	ASX401	5	290	-	-	19.5	13.0	10.0	-	-	47.0	46.0	46.0	-	29.5	29.5	4.50	4.50	-15	-18	SOT89		
	ASX415	5	155	-	-	20.0	14.3	11.5	-	-	42.5	42.0	37.0	-	29.0	29.0	4.20	4.20	-14	-13	SOT89		

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA86563	5	14	-	-	21.0	20.0	21.8	-	-	-	-	-	-	-	3.5	4.0	1.9	1.8	-	-	SOT363	
ASB	AWG0023E	3	35	22.6	22.3	21.5	19.7	18.7	18.2	29.0	29.0	30.0	28.0	23.0	21.0	18.0	18.0	1.5	2.0	-12	-20	SOT363	

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ATF551M4	3	20	-	-	-	18.0	-	-	-	-	-	-	-	-	16.0	-	0.50	-	-	-	MiniPak 1.4 mm x 1.2 mm	
ASB	ASL54T8	4.8	45	-	-	-	16.5	14.3	-	-	-	-	37.0	38.0	-	-	19.5	-	0.70	-17	-12	TDFN8	PR
	AST54S	3.3	40	-	-	19.0	12.8	12.5	10.0	-	-	30.0	34.0	34.0	37.5	18.0	19.0	0.40	0.50	-18	-10	SOT343	
	ASL52D6	5	50	-	-	24.0	21.0	-	-	-	-	33.0	34.0	-	-	19.0	18.0	0.55	0.65	-18	-10	DFN6	

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA81563	3	42	-	12.5	12.5	12.3	-	-	-	-	-	27	-	-	14.8	14.8	3.0	2.8	-7	-9	SOT363	
ASB	AWG0015E	3	35	-	15.6	15.5	14.9	-	-	-	26	27	27	-	-	16.0	16.0	2.2	2.8	-20	-18	SOT363	DR
	AWG0115E	3	59	-	15.0	14.6	14.2	-	-	-	32	32	31	-	-	15.0	15.0	2.3	2.9	-20	-17	SOT363	DR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA565P8	5	67	-	-	-	21.8	-	-	-	-	-	-	-	-	-	-	-	-	-8	-10	TDFN8	
ASB	AWG2023	3.3	78	-	-	23.0	21.6	20.9	-	-	-	36	36	35	-	19	19	1.5	1.8	-18	-15	SOT89	PR
	AWG1023E	3	43	-	-	22.3	20.6	19.8	-	-	-	30	30	25	-	17	17	1.5	2.1	-15	-18	SOT363	PR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ABA51563	5	28	-	20.7	21	21.5	21.5	21.2	-	15	15	11.4	9	6	3.8	1.8	3.3	3.7	-	-	SOT363	
ASB	AWG0123E	3	43	23	22.7	22.3	20.6	19.8	-	30	30	30	30	-	-	17	17	1.5	2.1	-15	-18	SOT363	DR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	ABA52563	5	35	-	-	-	21.5	-	-	-	-	-	19.9	-	-	-	9.8	-	3.3	-	-	SOT363	
ASB	AWG0123E	3	43	-	-	22.3	20.6	-	-	-	-	30.0	30.0	-	-	17.0	17.0	1.5	2.1	-15	-18	SOT363	
	AWG0123E	2.8	30	-	-	20.9	19.5	-	-	-	-	27.0	25.0	-	-	14.5	14.0	1.6	2.2	-11	-20	SOT363	

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark	
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000					
AVAGO	MGA62563	3	62	23.5	22.0	20.0	15.5	14.0	13.0	35	35	34	32	32	31	18	18	0.90	1.20	-	-	SOT363		
ASB	AWG0123E	3	43	22.8	22.5	21.7	19.2	18.3	16.9	30	30	30	29	25	20	17	17	1.60	2.10	-	-	SOT363	DR	
	AWG0120E	3	51	20.0	19.7	19.2	17.7	16.8	15.9	30	31	30	29	25	20	17	16	1.80	2.20	-	-	SOT363	DR	
	AWG0117E	3	50	17.4	16.9	16.5	15.2	14.7	13.9	29	30	30	29	25	20	16	15.5	2.10	2.50	-	-	SOT363	DR	
	AWG1020E	3.3	70	20.3	20.2	20.0	18.8	18.4	-	32	34	34	32	27	-	18	18	1.80	2.30	-	-	SOT363	DR	
	AWG1023E	3.3	72	23.9	23.5	22.8	21.0	20.2	-	34	35	36	33	30	-	18	18	1.50	2.20	-	-	SOT363	DR	
	ASL5463	5	45	-	-	-	17.0	14.9	-	-	-	-	-	37	38	-	20	-	0.75	-	-	-	SOT363	DR
	ASL5563	3.3	54	-	-	-	17.3	15.2	-	-	-	-	-	37	34	-	17	-	0.85	-	-	-	SOT363	DR
	ASL33C	3.7	20	21.0	19.7	17.7	-	-	-	22	24	24	-	-	-	9	-	1.00	-	-	-	SOT363	PR	

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA68563	3	10	19.26	18.81	17.43	13.81	12.46	11.13	22	21	19	19	-	-	-	-	1.2	1.2	-	-	SOT363	
ASB	AWG0015E	3	35	15.90	15.40	15.00	13.60	13.00	12.10	25	27	25	25	23	18	16	15	2.2	2.7	-	-	SOT363	DR
	AWG0123E	3	43	23.20	22.70	22.00	-	-	-	30	30	30	-	-	-	17	-	1.5	-	-	-	SOT363	DR (IF @30~1200MHz)
	ASL33C	3.7	20	21.00	19.70	17.70	13.30	11.00	10.00	22	24	24	25	25	25	9	9	1.0	1.3	-	-	SOT363	PR

*If not specified, the data @ 500 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	500	900	500	900				
AVAGO	MGA685T6	3	10	-	18.9	18.0	-	-	-	-	18.7	18.1	-	-	-	-	-	0.93	0.93	-8.1	-16.4	UTSLP	@450-470MHz
ASB	ASL033	3.3	10	-	18.4	16.6	-	-	-	-	21	19	-	-	-	17.5	17.5	1.2	1.2	-6	-6	SOT363	p.3, PR
	ASL33C	3.7	20	-	19.7	17.7	-	-	-	-	24.0	22.0	-	-	-	11	9	1.10	1.00	-10.0	-13.0	SOT363	PR

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA683P8	5	40	-	21.0	17.8	11.0	-	-	-	29	33	35	-	-	21.5	22.5	0.56	0.50	-	-	QFN8	
ASB	ASL51T8	4.5	57	-	22.5	18.0	12.4	-	-	-	33	38	31	-	-	21.0	17.0	0.37	1.00	-18	-20	TDFN8	DR
	ASL51T8	2.7	54	-	22.5	18.0	12.4	-	-	-	32	36	30	-	-	17.0	13.0	0.42	1.10	-15	-20	TDFN8	DR
	ASL51T8	2.5	40	-	22	18.0	12	-	-	-	29	33	27	-	-	16.0	12.0	0.43	1.20	-14	-18	TDFN8	DR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA684P8	5	35	-	-	-	17.6	15.0	13.0	-	-	-	32.4	32.5	-	-	22.0	-	0.56	-	-	QFN8	
ASB	AHL5218T8	3.5	40	-	-	-	18.7	16.5	-	-	-	-	31.0	31.0	-	-	17.0	-	0.37	-15	-17	TDFN8	DR
	AHL5220T8	3.5	40	-	-	-	20.2	18	-	-	-	-	31.0	31.0	-	-	17.0	-	0.35	-10	-18	TDFN8	DR
	ASL54T8	4.8	45	-	-	-	16.5	-	-	-	-	-	37.0	-	-	-	19.5	-	0.70	-17	-12	TDFN8	DR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA30489	5	97	-	19.3	16.5	13.3	12.0	-	-	40	40	39	39	-	23	23	3.0	3.0	15	15	SOT89	
ASB	AWG3015	4.3	104	15.9	15.3	15.3	14.9	14.9	-	37	40	39	39	-	-	21	21	2.2	2.7	-	-	SOT89	DR
	AWG3017	4.5	123	-	-	17.6	17.1	16.8	-	-	-	40	40	40	-	21	21	2.0	2.4	-20	-15	SOT89	DR
	AWG3020	3.9	104	21.2	20.9	20.6	19.7	19.3	-	38	39	39	39	39	-	20	20	1.6	2.1	-20	-15	SOT89	DR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA30689	5	104	14.8	14.5	14.3	14.6	-	-	40	44	43	40	-	-	22	22	3.0	3.3	-	-	SOT89	
ASB	AWG3015	4.3	104	15.9	15.3	15.3	14.9	14.9	-	37	40	39	39	-	-	21	21	2.2	2.7	-	-	SOT89	DR
	AWG3015	4.6	124	15.9	15.3	15.3	14.9	14.9	-	-	42	41	41	41	-	21	21	2.3	2.8	-	-	SOT89	DR

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA30889	5	65	14.9	15.5	15.5	15.7	-	-	37	38	38	36	-	-	-	-	1.9	2.0	-13	-13	SOT89	
ASB	AWG2015	3.3	95	15.8	15.4	15.2	14.9	14.8	-	39	40	39	39	35	-	17	17	2.2	2.6	-20	-18	SOT89	DR
	AWG2017	3.3	87	17.8	17.7	17.4	16.9	16.6	-	37	38	37	37	34	-	18	18	1.9	2.3	-20	-18	SOT89	DR

*If not specified, the data @ 3000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2500	3000	5000	50	500	900	2500	3000	5000	900	2000	900	2000				
AVAGO	MGA30989	5	51	-	-	-	-	12.0	9.6	-	-	-	-	37	38	-	23.6	-	2.0	-18	-16	SOT89	@4.4-5GHz
ASB	AWG3015	4.6	124	-	-	-	14.9	14.7	-	-	-	-	41	34	-	-	20.0	-	3.7	-18	-20	SOT89	DR
	ASW212	4.8	73	-	-	-	11.0	11.0	-	-	-	-	27	27	-	18.0	-	5.5	-11	-14	SOT89	DR	
	ASW214	4.8	52	-	-	-	15.0	12.5	-	-	-	-	28	25	-	17.0	-	5.7	-9	-14	SOT89	DR	

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA83563	3	152	-	-	20.0	23.0	22.0	-	-	-	29	29	29	-	19.1	19.7	6.0	6.0	-	-	SOT363	
ASB	AWG1023E	3.3	72	23.9	23.5	22.8	21.0	20.2	-	34	35	36	33	30	-	18.0	18.0	1.5	2.2	-	-	SOT363	DR
	AWG3023	3.6	104	-	24.2	23.8	22.2	21.5	-	-	38	38	38	37	-	20.0	20.0	1.4	1.9	-18	-15	SOT89	

*If not specified, the data @ 900 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	MGA31689	5	168	-	-	-	18.1	16.7	-	-	-	-	45	45	-	-	27.6	-	1.9	14	11.5	SOT89	
ASB	ASW338	8	120	-	-	17.5	16.5	16.0	-	-	-	44	43	42	-	26.0	25.0	2.0	2.2	-14	-14	SOT89	DR
	AWB389	6	155	-	-	-	16.3	-	-	-	-	40	-	-	-	23.0	-	3.1	-11	-10	SOT89	DR	
	ASX415	5	155	-	-	-	14.0	11.5	-	-	-	42	-	-	-	27.0	-	5.0	-7	-11	SOT89	DR	
	AWG3017	4.5	123	-	-	-	17.1	16.8	-	-	-	-	40	40	-	-	20.5	-	2.4	-20	-15	SOT89	DR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						IMD3 (dBm)						P1dB (dBm)						S11 (dB)	S22 (dB)	Package	Remark
				6000	9000	12000	15000	18000	-	6000	9000	12000	15000	18000	6000	9000	12000	15000	18000						
AVAGO	AMMP6408	5	650	18	18	20	17	16	-	-34	-34	-36	-38	-35	27.0	28.0	27.5	27.5	27.5	-3	-9	SMD 5X5 mm			
ASB	ABX0618Q	7	700	23	23	22	23	21	-	-33	-38.5	-41	-34	-35	30.0	29.0	32.0	31.0	29.0	-7	-4	QFN32 6X6 mm	PR		

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	AVT50663	5	36	-	-	15.8	15.3	-	-	-	-	26.4	25	-	-	13	12.5	3.7	4	-15.4	-14.4	SOT363	
ASB	AWG0015E	3.3	47	-	15.9	15.8	15.2	15	15	-	-	31	31	27	19	17	17	2.2	2.7	-18	-14	SOT363	DR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000				
AVAGO	AVT54689	5	58	-	19.0	20.5	17.8	17.0	-	-	32.0	32.0	30.0	28.0	-	19.0	17.0	3.80	4.20	-15	-11	SOT89	
ASB	AWG2020	3.3	85	-	20.7	20.4	19.5	19.1	-	-	37.0	37.0	37.0	37.0	-	18.0	18.0	1.60	2.00	-20	-16	SOT89	DR with drop resistor
	AWG2017	3.3	87	-	17.6	17.4	16.9	16.6	-	-	38.0	37.0	37.0	34.0	-	18.0	18.0	1.90	2.30	-20	-18	SOT89	DR with drop resistor
	ASW214	4.8	52	-	19.7	19.5	17.8	17.0	-	-	30.0	30.0	30.0	30.5	-	16.0	16.0	5.50	5.70	-13	-11	SOT89	DR with drop resistor(2.7ohm @Vs=5V)
	ASW214	4.65	44	-	19.5	19.3	17.6	16.8	-	-	28.0	28.0	28.0	28.0	-	14.5	15.5	5.10	2.40	-12	-11	SOT89	DR with drop resistor(7.5ohm @Vs=5V)
	ASW204	5	55	-	20.5	19.8	18.0	16.7	-	-	31.5	32.0	32.5	32.5	-	21.0	21.0	1.65	1.75	-14	-12	SOT89	DR with shunt inductor at input

*If not specified, the data @ 2000 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark	
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2000	900	2000					
AVAGO	MGA637P8	4.8	75	-	-	-	16.8	-	-	-	-	-	-	38	-	-	-	21.0	-	0.65	-13	-15	QFN8	
ASB	AHL5216T8	5	65				17.3	15.1						35.5	35.0			20		0.4	-14	-17	TDFN8	DR
	AHL5218T8	5	65				18.9	16.8						35.0	35.0			20		0.37	-15	-18	TDFN8	DR
	AHL5220T8	5	65				20.5	18.4						35	34.5			19.0		0.35	-11	-18	TDFN8	DR

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)						OIP3 (dBm)						P1dB (dBm)		NF (dB)		S11 (dB)	S22 (dB)	Package	Remark	
				50	500	900	2000	2500	3000	50	500	900	2000	2500	3000	900	2500	900	2500					
AVAGO	MGA638P8	4.8	84	-	-	-	-	17.3	-	-	-	-	-	38	-	-	-	22.0	-	0.87	-14	-10	QFN8	
ASB	AHL5218T8	5	65				18.9	16.8						35.0	35.0			20		0.43	-15	-18	TDFN8	DR
	AHL5220T8	5	65				20.5	18.4						35	34.5			19.0		0.42	-11	-18	TDFN8	DR