



Figure of Merit

*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
				500	1000	2000	2500	500	1000	2000	2500	1000	2000	1000	2000				
Mini-Circuits	MNA-6A+	2.8	92	20.4	22.3	21.6	20.4	22.8	23.7	23.8	24.1	11.9	12.2	2.7	2.7	-17.5	-14.8	DQ849	
ASB	AWG0123E	3	43	22.7	22.3	20.6	19.8	30	30	30	25	17	17	1.5	2.1	-15	-18	SOT363	
ASB	AWG1023E	3.3	72	23.2	22.8	21.0	20.2	36	36	33	30	18	18	1.5	2.2	-17	-16	SOT363	
Mini-Circuits	MNA-6A+	5	99	22.3	25	24.8	23.2	33.2	32.4	30.4	30	20.2	19.4	2.6	2.7	-17.6	-19.5	DQ849	
ASB	AWG2023	3.3	78	23.4	23	21.6	20.9	36	36	36	35	19	19	1.4	1.8	-18	-15	SOT89	
ASB	AWG3023	3.6	104	24.1	23.8	22.2	21.5	39	38	38	37	20	20	1.4	1.9	-18	-15	SOT89	

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				100	1000	2000	3000	100	1000	2000	3000	1000	2000	1000	2000				
Mini-Circuits	RAMP-33LN+	5.0	70	22.0	18.5	14.5	11.0	31.6	31.0	28.7	27.4	16.5	16.2	1.3	1.2	-11	-14	CK605	
ASB	ASL09C	5.0	55	23.5	18.3	12.8	9.2	31.0	33.0	35.0	36.0	19.5	19.5	0.8	0.85	-19	-11	SOT89	
ASB	ASW204	5.0	55	22.5	19.8	18.0	15.9	29.5	32.0	32.5	30.3	21.0	21.0	1.7	1.8	-14	-12	SOT89	
ASB	AWG0123E	3.0	43	22.8	21.7	19.2	16.9	30.0	30.0	29.0	20.0	17.0	17.0	1.6	2.1	-10	-12	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
				900	1700	2500	3200	900	1700	2500	3200	900	2500	900	2500				
Mini-Circuits	YSF-322+	5.0	118	20.4	19.8	19.0	16.0	36.0	35.0	35.0	35.0	20.0	20.0	3.5	2.8	-15	-17	DL1636	
ASB	AWG3020	3.9	104	20.6	20.0	19.3	18.9	39.0	39.0	39.0	29.0	20.0	19.5	1.6	2.4	-20	-15	SOT89	
ASB	AWG3023	3.6	104	23.3	21.3	20.3	19.2	37.0	36.0	36.0	29.0	20.0	19.0	1.4	2.2	-13	-18	SOT89	
ASB	ASW208	5.0	80	21.0	20.0	17.5	17.0	37.0	35.0	33.0	28.0	22.0	22.0	1.6	1.7	-11	-11	SOT89	

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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
				100	1000	2000	3000	100	1000	2000	3000	1000	2000	1000	2000				
Mini-Circuits	ERA-3SM+	3.2	35	23.4	21.0	18.7	16.4	27.0	27.0	26.0	24.0	12.1	12.5	2.6	2.8	-18	-17	WW107	
ASB	ASW114	3.2	37	20.5	19.5	17.0	15.1	22.5	24.5	26.0	26.0	12.5	13.0	3.2	3.3	-14	-15	SOT363	
ASB	AWG0123E	3.0	43	22.8	21.7	19.2	16.9	30.0	30.0	29.0	20.0	17.0	17.0	1.6	2.1	-10	-12	SOT363	



Figure of Merit

*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
				100	1000	2000	3000	4000	100	1000	2000	3000	4000	1000	2000	1000	2000				
Mini-Circuits	ERA-4SM+	4.6	65	14.4	14.2	13.0	12.0	11.3	36.1	35.0	30.4	-	25.0	17.3	16.1	4.2	4.2	-30	-21	WW107	
ASB	AWG1015E	3.3	77	15.6	14.7	13.5	12.3	-	34.5	36.0	33.0	21.0	-	17.5	17.0	2.4	2.8	-20	-17	SOT363	
ASB	AHB5414S4	5.0	75	13.7	14.0	12.7	12.2	11.2	35.5	36.4	33.7	34.0	28.9	19.8	18.2	2.4	2.5	-8	-9	SOT343	
ASB	AHB5414T8	5.0	77	14.2	14.5	14.2	14.6	15.1	37.4	37.2	32.0	32.9	28.3	19.8	18.2	2.2	2.2	-12	-8	TDFN8	

*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
				100	1000	2000	3000	4000	6000	100	2000	4000	2000	4000	2000	4000					
Mini-Circuits	ERA-2+	3.6	40	16.4	15.8	14.9	13.9	12.5	10.7	29.0	29.0	25.0	13.0	11.0	3.3	3.4	-25	-16	VV105		
ASB	AWG0115E	3.0	59	15.2	14.5	14.2	13.9	-	-	31.0	31.0	-	15.0	-	2.9	-	-14	-17	SOT363		
ASB	ASW135	3.3	60	20.0	18.5	16.5	14.3	-	-	27.5	29.0	-	18.5	-	1.8	-	-15	-13	SOT363		
ASB	ASW105	3.3	65	21.5	19.3	17.5	15.5	-	-	32.0	31.5	-	18.5	-	1.8	-	-16	-11	SOT89		
ASB	ASW204	5.0	55	-	16.0	15.2	14.5	15.2	11.4	-	33.0	23.5	21.0	13.5	2.2	2.9	-10	-5	SOT89		

*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
				100	1000	2000	4000	100	2000	4000	2000	4000	2000	4000				
Mini-Circuits	ERA-2SM+	3.4	40	16.4	15.8	14.9	12.5	29.0	29.0	25.0	13.0	11.0	3.3	3.4	-25	-16	WW107	
ASB	AWG0115E	3.0	59	15.2	14.5	14.2	-	31.0	31.0	-	15.0	-	2.9	-	-14	-17	SOT363	
ASB	ASW135	3.3	60	20.0	18.5	16.5	-	27.5	29.0	-	18.5	-	1.8	-	-15	-13	SOT363	
ASB	ASW105	3.3	65	21.5	19.3	17.5	-	32.0	31.5	-	18.5	-	1.8	-	-16	-11	SOT89	

*If not specified, the data @ 500 MHz

Vendor	Part Number	Vd (V)	Id (mA)	S21 (dB)			OIP3 (dBm)			NF (dB)	S11 (dB)	S22 (dB)	Package	Remark
				50	500	1002	50	500	1002	500				
Mini-Circuits	HELA-10+	12.0	525	12	12	12	47	47	47	3.5	-20	-20	CM624	@50-1002MHz, 75ohm&50ohm
ASB	ASL912	10.0	620	12.8	13	14.0	47	49	48	5.6	-16	-18	TSSOP24	
ASB	ASL920	10.0	630	19.8	19.8	20.0	53	53	50	4	-17	-21	TSSOP24	
ASB	ASL882	10.7	520	21	21.2	22.5	47	48	45.5	2.1	-15	-17	TSSOP24	