

AVAGO RFIC Amplifiers and Transistors



RoHS Compliant This product is RoHS compliant.

INGAP HIGH GAIN

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	Gain (dB)	Voltage (V)	Current (mA)	Operating Range (MHz)	Frequency (MHz)	NF (dB)	OIP3 (dBm)	P1dB (dBm)	Price Each			
											1	25	100	500
630-AVT-54689-TR1G	AVT-54689-TR1G	SOT-89	17	5	64	DC-6000	2000	4.5	30	17.5	1.48	1.01	.90	.77
630-AVT-55689-TR1G	AVT-55689-TR1G	SOT-89	16.5	5	82	DC-6000	2000	4.5	33	19	1.58	1.08	.96	.82
630-MGA-31589-BLKG	MGA-31589-BLKG	SOT-89	20	5	150	400-1500	900	3	44.5	28	5.06	4.06	4.05	3.60
630-MGA-31689-BLKG	MGA-31689-BLKG	SOT-89	18	5	150	1500-3000	1900	3	44.5	28	5.06	4.50	4.05	3.60

ISOLATION AMPLIFIERS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	Lead Conf.	Type	Operating Frequency	Gain (dB)	SNR (dB)	Vf (V)	Id (mA)	Price Each			
										1	25	100	500
630-ACPL-7900-000E	ACPL-7900-000E	DIP-8	Straight	Precision Iso-Amplifier	200 kHz	-78	60	4.5	13	6.08	5.40	4.86	4.32
630-ACPL-7900-300E	ACPL-7900-300E	DIP-8	Gull Wing	Precision Iso-Amplifier	200 kHz	-78	60	4.5	13	6.12	5.44	4.89	4.35
630-ACPL-7900-500E	ACPL-7900-500E	DIP-8	Gull Wing	Precision Iso-Amplifier	200 kHz	-78	60	4.5	13	6.12	5.44	4.89	4.35
630-ACPL-790A-000E	ACPL-790A-000E	DIP-8	Straight	Precision Iso-Amplifier	200 kHz	-78	60	4.5	13	8.10	7.20	6.48	5.75
630-ACPL-790A-300E	ACPL-790A-300E	DIP-8	Gull Wing	Precision Iso-Amplifier	200 kHz	-78	60	4.5	13	8.15	7.24	6.51	5.79
630-ACPL-790A-500E	ACPL-790A-500E	DIP-8	Gull Wing	Precision Iso-Amplifier	200 kHz	-78	60	4.5	13	8.15	7.24	6.51	5.79
630-ACPL-790B-000E	ACPL-790B-000E	DIP-8	Straight	Precision Iso-Amplifier	200 kHz	-78	60	4.5	13	10.13	9.00	8.10	7.19
630-ACPL-790B-300E	ACPL-790B-300E	DIP-8	Gull Wing	Precision Iso-Amplifier	200 kHz	-78	60	4.5	13	10.17	9.04	8.13	7.23
630-ACPL-790B-500E	ACPL-790B-500E	DIP-8	Gull Wing	Precision Iso-Amplifier	200 kHz	-78	60	4.5	13	10.17	9.04	8.13	7.23
630-ACPL-7970-000E	ACPL-7970-000E	DIP-8	Straight	Miniature Iso-Amplifier	10 MHz	-	78	5.5	14	6.52	5.80	5.22	4.64
630-ACPL-7970-500E	ACPL-7970-500E	DIP-8	Gull Wing	Miniature Iso-Amplifier	10 MHz	-	78	5.5	14	6.57	5.84	5.25	4.67

SILICON RFICS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	Type	Operating Frequency	Gain (dB)	NF (dB)	Vf (V)	Id (mA)	Price Each			
									1	25	100	500
630-MSA-0386-BLKG	MSA-0386-BLKG	86 Plastic	Silicon Fixed Gain Amplifier	DC-2.4GHz	12	6	5	35	2.48	2.03	1.80	1.53
630-MSA-0486-BLKG	MSA-0486-BLKG	86 Plastic	Silicon Fixed Gain Amplifier	DC-3.2GHz	8	7	5.25	50	2.75	2.25	2.00	1.70
630-MSA-0505-STRG	MSA-0505-STRG	05 Plastic	Silicon Fixed Gain Amplifier	0.02-2.4GHz	7	6.5	8.4	80	4.54	3.71	3.30	2.81
630-MSA-0611-TR1G	MSA-0611-TR1G	SOT-143	Silicon Fixed Gain Amplifier	DC-0.7GHz	18	3	3.3	16	1.80	1.35	1.20	1.02
630-MSA-0886-BLKG	MSA-0886-BLKG	86 Plastic	Silicon Fixed Gain Amplifier	DC-4GHz	22.5	3.3	7.8	36	1.95	1.46	1.30	1.11
630-MSA-0886-TR1G	MSA-0886-TR1G	86 Plastic	Silicon Fixed Gain Amplifier	DC-4GHz	22.5	3.3	7.8	36	1.95	1.46	1.30	1.11
630-MSA-1105-STRG	MSA-1105-STRG	05 Plastic	Silicon Fixed Gain Amplifier	0.05-1.3GHz	12	3.6	5.5	60	3.44	2.81	2.50	2.13
630-MSA-1105-TR1G	MSA-1105-TR1G	05 Plastic	Silicon Fixed Gain Amplifier	0.02-1.3GHz	12	3.6	5.5	60	3.44	2.81	2.50	2.13
630-ABA-31563-BLKG	ABA-31563-BLKG	SOT-363	Silicon Broadband Amplifier	DC-3.5GHz	21	3.8	3	14.5	.72	.54	.48	.41
630-ABA-31563-TR1G	ABA-31563-TR1G	SOT-363	Silicon Broadband Amplifier	DC-3.5GHz	21	3.8	3	14.5	.72	.54	.48	.41
630-ABA-32563-TR1G	ABA-32563-TR1G	SOT-363	Silicon Broadband Amplifier	DC-2.5GHz	18.5	3.4	3	38	.78	.59	.52	.44
630-ABA-51563-BLKG	ABA-51563-BLKG	SOT-363	Silicon Broadband Amplifier	DC-3.5GHz	21.5	3.7	5	18	.69	.52	.46	.39
630-ABA-52563-TR1G	ABA-52563-TR1G	SOT-363	Silicon Broadband Amplifier	DC-3.5GHz	21.5	3.3	5	35	.75	.56	.50	.43
630-ABA-53563-BLKG	ABA-53563-BLKG	SOT-363	Silicon Broadband Amplifier	DC-3.5GHz	21.5	3.5	5	46	.93	.70	.62	.53
630-ABA-53563-TR1G	ABA-53563-TR1G	SOT-363	Silicon Broadband Amplifier	DC-3.5GHz	21.5	3.5	5	46	.93	.70	.62	.53
630-ABA-54563-BLKG	ABA-54563-BLKG	SOT-363	Silicon Broadband Amplifier	DC-3GHz	23	4.4	5	79	.99	.74	.66	.56
630-ADA-4543-BLKG	ADA-4543-BLKG	SOT-343	Silicon Darlington Amplifier	DC-2.5GHz	15.1	3.7	3.4	15	.60	.45	.40	.34
630-ADA-4543-TR1G	ADA-4543-TR1G	SOT-343	Silicon Darlington Amplifier	DC-2.5GHz	15.1	3.7	3.4	15	.60	.45	.40	.34
630-ADA-4643-TR1G	ADA-4643-TR1G	SOT-343	Silicon Darlington Amplifier	DC-2.5GHz	17	4	3.5	35	.66	.50	.44	.37
630-ADA-4743-BLKG	ADA-4743-BLKG	SOT-343	Silicon Darlington Amplifier	DC-2.5GHz	16.5	4.2	3.8	60	.72	.54	.48	.41

GAAS RFICS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	Type	Operating Frequency	Gain (dB)	NF (dB)	Vf (V)	Id (mA)	Price Each			
									1	25	100	500
630-MGA-22103-TR1G	MGA-22103-TR1G	---	WiMAX Power Amplifier Module	2.5GHz	34	31	3.3	13	4.81	3.94	3.50	2.98
630-MGA-52543-TR1G	MGA-52543-TR1G	SOT-343	GaAs Fixed Gain Amplifier	0.4-6GHz	14.2	1.9	5	53	3.08	2.52	2.24	1.90
630-MGA-53543-BLKG	MGA-53543-BLKG	SOT-343	GaAs Fixed Gain Amplifier	0.4-6GHz	15.4	1.5	5	54	3.63	2.97	2.64	2.24
630-MGA-634P8-BLKG	MGA-634P8-BLKG	QFN-8	GaAs MMIC Low Noise Amplifier	1.5-2.3 GHz	18	0.37	5	50	5.09	4.16	3.70	3.15
630-ALM-11036-BLKG	ALM-11036-BLKG	MCOB-36	GaAs Low Noise, High Linearity Amplifier	778-870 MHz	15.6	0.95	5	100	13.20	10.89	9.90	9.24
630-ALM-11136-BLKG	ALM-11136-BLKG	MCOB-36	GaAs Low Noise, High Linearity Amplifier	870-915 MHz	15.4	0.76	5	107	13.20	10.89	9.90	9.24
630-ALM-11236-BLKG	ALM-11236-BLKG	MCOB-36	GaAs Low Noise, High Linearity Amplifier	1.71-1.85 GHz	15.9	0.67	5	117	13.20	10.89	9.90	9.24
630-ALM-11336-BLKG	ALM-11336-BLKG	MCOB-36	GaAs Low Noise, High Linearity Amplifier	1.85-1.98GHz	15.3	0.72	5	117	13.20	10.89	9.90	9.24
630-MGA-635P8-BLKG	MGA-635P8-BLKG	QFN-8	Ultra Low Noise Amplifier	2.3-4GHz	18	0.56	5.5	56	5.09	4.16	3.70	3.15
630-MGA-81563-TR1G	MGA-81563-TR1G	SOT-363	GaAs Fixed Gain Amplifier	0.1-1.6GHz	12.4	2.8	3	42	2.04	1.67	1.48	1.26
630-MGA-82563-TR1G	MGA-82563-TR1G	SOT-363	GaAs Fixed Gain Amplifier	0.1-1.6GHz	13	2.2	3	84	2.39	1.96	1.74	1.48
630-MGA-85563-BLKG	MGA-85563-BLKG	SOT-363	GaAs Fixed Gain Amplifier	-	19	1.9	3	15-30	2.37	1.94	1.72	1.46
630-MGA-86563-TR1G	MGA-86563-TR1G	SOT-363	GaAs Fixed Gain Amplifier	-	19	1.9	3	15-30	2.67	2.18	1.94	1.65
630-MGA-86576-STRG	MGA-86576-STRG	SM Ceramic	GaAs Fixed Gain Amplifier	1.5-8GHz	23.1	1.6	5	16	7.25	6.44	5.80	5.15
630-MGA-545P8-BLK	MGA-545P8-BLK	LPCC	GaAs Medium Power Amplifier	0.05-7GHz	11.5	-	3.3	92	3.63	2.97	2.64	2.24
630-MGA-62563-BLKG	MGA-62563-BLKG	SOT-363	GaAs Smart Bial Amplifier	0.1-3GHz	22	0.9	3	60	2.87	1.87	1.66	1.41
630-MGA-68563-TR1G	MGA-68563-TR1G	SOT-363	GaAs Smart Bial Amplifier	0.1-1.5GHz	19.7	1	3	11	1.44	1.08	.96	.82
630-MGA-685T6-TR1G	MGA-685T6-TR1G	UTSLP	GaAs Smart Bial Amplifier	0.1-1.5GHz	18.9	0.9	3	10	1.89	1.42	1.26	1.07
630-MGA-645T6-TR1G	MGA-645T6-TR1G	UTSLP	GaAs Amplifier with Bypass Switch	1.7-3GHz	15	1.1	3	7	1.89	1.42	1.26	1.07
630-MGA-64606-BLKG	MGA-64606-BLKG	UTP-6	GaAs Amplifier with Bypass Switch	1.5-3GHz	15.3	0.95	5	10	1.65	1.24	1.10	.93
630-MGA-65606-BLKG	MGA-65606-BLKG	UTP-6	GaAs Amplifier with Bypass Switch	2.5-4GHz	15.3	1.05	5	12	1.65	1.24	1.10	.93
630-MGA-71543-BLKG	MGA-71543-BLKG	SOT-343	GaAs Amplifier with Bypass Switch	-	15.9	0.8	2.7	10	2.10	1.58	1.40	1.19
630-MGA-72543-BLKG	MGA-72543-BLKG	SOT-343	GaAs Amplifier with Bypass Switch	0.1-6GHz	13.6	1.4	2.7	20	2.28	1.87	1.66	1.41
630-MGA-665P8-BLK	MGA-665P8-BLK	LPCC	GaAs LNA with Power Down	-	16	1.22	3	21	3.30	2.70	2.40	2.04
630-ALM-1412-TR1G	ALM-1412-TR1G	MCOB	GPS LNA Module with Integrated FBAR Filter	-	13.1	0.8	2.85	9	2.89	2.36	2.10	1.79
630-MGA-565P8-TR1	MGA-565P8-TR1	PLCC	GaAs Low Buffer Amplifier	Up to 3.5GHz	22	-	5	67	3.03	2.48	2.20	1.87

TRANSISTOR

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	Type	Operating Frequency	Gain (dB)	NF (dB)	Vf (V)	Id (mA)	Price Each			
									1	25	100	500
630-AT-41511-TR1G	AT-41511-TR1G	SOT-143	Silicon Bipolar Transistor	DC-5GHz	15.5	1	5	-	.39	.33	.26	.21
630-VMMK-1225-BLKG	VMMK-1225-BLKG	SM 1x0.5	Low Noise GaAs pHEMTs	-	11	0.9	2	20	6.71	5.49	4.88	4.14
630-ATF-35143-TR1G	ATF-35143-TR1G	SOT-343	Low Noise GaAs pHEMTs	0.45-6GHz	-	0.4	2	15	1.47	1.23	.98	.81
630-ATF-35143-BLKG	ATF-35143-BLKG	SOT-343	Low Noise GaAs pHEMTs	0.45-6GHz	18	0.4	2	15	1.47	1.23	.98	.81
630-ATF-33143-BLKG	ATF-33143-BLKG	SOT-343	Low Noise GaAs pHEMTs	0.45-6GHz	15	0.5	4	80	4.11	3.43	2.74	2.26
630-ATF-34143-BLKG	ATF-34143-BLKG	SOT-343	Low Noise GaAs pHEMTs	0.45-6GHz	17.5	0.5	4	60	3.51	2.93	2.34	1.93
630-ATF-551M4-BLK	ATF-551M4-BLK	MiniPak	Single Voltage Low Noise GaAs E-pHEMTs	-	17.5	0.5	2.7	10	1.50	1.25	1.00	.83
630-ATF-55143-BLKG	ATF-55143-BLKG	SOT-343	Single Voltage Low Noise GaAs E-pHEMTs	0.45-6GHz	17.7	0.6	2.7	10	1.50	1.25	1.00	.83