

TEXAS INSTRUMENTS Amplifiers



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Amplifier ICs

Texas Instruments

DIFFERENCE AMPLIFIERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	V _S (Min./Max.)	Gain (V/V)	Input Offset (±) (Max.) (μA)	Drift (±) (Max.) (uA/°C)	C _{MRR} (Min.) (dB)	Bandwidth (Typ.) (MHz)	Price Each			
									1	10	100	500
595-INA159AIDGKT	INA159AIDGKT	VSSOP-8	1.8/5.5	0.2	500	-	86	1.5	4.76	4.28	3.51	2.98
595-INA132UA	INA132UA	SOIC-8	2.7/36	1	250	-	76	0.3	3.33	2.99	2.45	2.09
595-INA149AID	INA149AID	SOIC-8	4.0/36	1	1000	10	90	0.5	6.96	6.28	5.20	4.53
595-INA2134UA	INA2134UA	SOIC-14	8.0/36	1	1000	2	74	3.1	4.88	4.39	3.59	3.06
595-INA2137UA	INA2137UA	SOIC-14	8.0/36	0.52	1000	2	74	4	4.88	4.39	3.59	3.06

CURRENT SHUNT MONITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	V _S (Min./Max.)	Gain (V/V)	Input Offset (±) (Max.) (μA)	Drift (±) (Max.) (uA/°C)	C _{MRR} (Min.) (dB)	Bandwidth (Typ.) (MHz)	Price Each			
									1	10	100	500
595-INA216A4YFFT	INA216A4YFFT	DSBGA-4	1.8/5.5	200	1.8	75	90	-	1.19	1.07	.835	.454
595-INA226AIDGST	INA226AIDGST	MSOP-10	2.5/5.5	Prog	0 to +36	10	126	-	3.83	3.44	2.82	1.81
595-INA300AIDSQT	INA300AIDSQT	SON-10	2.7/5.5	-	750	0.1	96	-	2.13	1.92	1.54	.906
595-INA230AIRGTT	INA230AIRGTT	QFN-16	2.7/5.5	1	0.5	50	100	0.007	3.21	2.89	2.36	1.51
595-INA223AIDSKT	INA223AIDSKT	SON-10	2.7/5.5	Prog	0 to 26	100	100	0.025	3.21	2.89	2.36	1.51
595-INA3221AIRGVT	INA3221AIRGVT	QFN-16	2.7/5.5	1	5	80	110	0.007	5.12	4.60	3.77	2.41
595-INA225AIDGKT	INA225AIDGKT	MSOP-8	2.7/36	200	125	0.1	100	0.07	2.71	2.44	2.00	1.28
595-INA196AIDBVT	INA196AIDBVT	SOT-5	2.7/13.5	20	-16 to +80	2000	100	-	2.59	2.33	1.87	1.10
595-INA197AIDBVT	INA197AIDBVT	SOT-5	2.7/13.5	50	-16 to +80	2000	100	-	2.59	2.33	1.87	1.10
595-INA198AIDBVT	INA198AIDBVT	SOT-5	2.7/13.5	100	-16 to +80	2000	100	-	2.59	2.33	1.87	1.10
595-INA193AIDBVT	INA193AIDBVT	SOT-5	2.7/18	20	-16 to +80	2000	100	0.4	2.59	2.33	1.87	1.10
595-INA193AQDBVRQ1	INA193AQDBVRQ1	SOT-23-5	2.7/18	20	-16 to +80	2000	100	0.4	2.66	2.39	1.92	1.12
595-INA194AIDBVT	INA194AIDBVT	SOT-5	2.7/18	50	-16 to +80	2000	100	0.4	2.59	2.33	1.87	1.10
595-INA195AIDBVT	INA195AIDBVT	SOT-5	2.7/18	100	-16 to +80	2000	100	0.4	2.59	2.33	1.87	1.10
595-INA200AID	INA200AID	SOIC-8	2.7/18	20	-16 to +80	2500	100	0.5	2.71	2.44	2.00	1.28
595-INA271AID	INA271AID	SOIC-8	2.7/18	20	-16 to +80	2500	100	0.13	2.86	2.57	2.07	1.21
595-INA199A1RSWT	INA199A1RSWT	QFN-10	2.7/26	50	-0.3 to 26	150	100	0.014	1.02	.917	.715	.389
595-INA199A2RSWT	INA199A2RSWT	QFN-10	2.7/26	100	-0.3 to 26	150	100	0.014	1.02	.917	.715	.389
595-INA210AIDCKT	INA210AIDCKT	SC-70-6	2.7/26	200	-0.3	35	105	0.014	1.52	1.37	1.10	.648
595-INA213AIDCKT	INA213AIDCKT	SC-70-6	2.7/26	50	-0.3	0.5	100	0.014	1.52	1.37	1.10	.648
595-INA214AIDCKT	INA214AIDCKT	SC-70-6	2.7/26	100	-0.3	60	105	0.014	1.52	1.37	1.10	.648
595-INA138NA/250	INA138NA/250	SOT-5	2.7/36	1 to 100	2.7 to 36	1000	100	0.8	1.99	1.78	1.43	.844
595-INA139NA/250	INA139NA/250	SOT-5	2.7/40	1 to 100	2.7 to 36	1000	100	0.44	1.99	1.78	1.43	.844
595-INA168NA/250	INA168NA/250	SOT-5	2.7/60	1 to 100	2.7 to 60	1000	100	0.08	2.59	2.33	1.87	1.10
595-INA169NA/250	INA169NA/250	SOT-5	2.7/60	1 to 100	2.7 to 60	1000	100	0.44	2.59	2.33	1.87	1.10
595-INA170EA/2K5	INA170EA/2K5	MSOP-8	2.7/60	1 to 100	2.7 to 60	1	100	0.4	2.52	2.26	1.82	1.06
595-INA209AIPWR	INA209AIPWR	TSSOP-16	3/5.5	Prog	0 to +26	100	100	-	5.96	5.35	4.38	2.81
595-INA219AIDCNT	INA219AIDCNT	SOT-23-8	3/5.5	Prog	0 to +26	50	100	-	2.52	2.26	1.82	1.06
595-INA219AIDCNR	INA219AIDCNR	SOT-23-8	3/5.5	Prog	0 to +26	50	100	-	2.12	1.90	1.53	.90
595-INA219BIDCNT	INA219BIDCNT	SOT-23-8	3/5.5	Prog	0 to +26	50	100	-	2.78	2.50	2.01	1.18
595-LMP92064SDE/NOPB	LMP92064SDE/NOPB	WSO-16	4.5/5.5	25	60	0.28	110	0.07	5.46	4.90	4.01	2.57
595-LMP8481MMES/NOPB	LMP8481MME-S/NOPB	VSSOP-8	4.5/76	60	265	6	100	0.27	2.71	2.44	2.00	1.28
595-LMP8481MMH/NOPB	LMP8481MM-H/NOPB	VSSOP-8	4.5/76	Prog	265	6	100	0.27	2.62	2.36	1.89	1.11

COMPARATORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	No. of Channels	I _q Per Channel (Max.) (mA)	Output Current (Min.) (mA)	t _{RESP} Low-to-High (μS)	Total Supply Voltage (Min./Max.) (+5V=5, ±5V=10)	V _{OS} (25°C) (Max.) (mV)	Price Each				
									1	10	100	1000	
Emitter, Open Collector													
595-LM211D	LM211D	SOIC-8	1	6	50	0.115	3.5/30	3	.52	.433	.264	.204	
595-LM211P	LM211P	PDIP-8	1	6	50	0.115	3.5/30	3	.47	.397	.242	.187	
High-Speed													
926-LM360M/NOPB	LM360M/NOPB	SOIC-8	1	18	20	0.013	9/16	2	4.73	4.02	3.49	2.49	
926-LM319AM/NOPB	LM319AM/NOPB	SOIC-14	2	4	25	0.08	5/36	1	1.47	1.25	1.00	.722	
926-LM319MX/NOPB	LM319MX/NOPB	SOIC-14	2	4	25	0.08	5/36	8	.98	.84	.645	.45	
Low Power													
926-LM397MF/NOPB	LM397MF/NOPB	SOT-23-5	1	0.25	13	0.25	5/30	7	.66	.555	.358	.286	
926-LM311M/NOPB	LM311M/NOPB	SOIC-8	1	5.1	50	0.1	5/36	7.5	.87	.728	.47	.376	
926-LM311MX/NOPB	LM311MX/NOPB	SOIC-8	1	5.1	50	0.1	5/36	7.5	.73	.608	.392	.314	
926-LM311N/NOPB	LM311N/NOPB	DIP-8	1	5.1	50	0.1	5/36	7.5	.85	.707	.456	.365	
926-LM2903M/NOPB	LM2903M/NOPB	SOIC-8	2	0.2	16	0.4	2/36	7	.87	.747	.574	.401	
926-LM2903MX/NOPB	LM2903MX/NOPB	SOIC-8	2	0.2	16	0.4	2/36	7	.83	.694	.448	.358	
926-LM393M/NOPB	LM393M/NOPB	SOIC-8	2	0.2	16	0.4	2/36	5	.86	.722	.466	.373	
926-LM393MX/NOPB	LM393MX/NOPB	SOIC-8	2	0.2	16	0.4	2/36	5	.72	.601	.388	.31	
926-LM393N/NOPB	LM393N/NOPB	DIP-8	2	0.2	16	0.4	2/36	5	.83	.694	.448	.358	
926-LM392M/NOPB	LM392M/NOPB	SOIC-8	2	0.5	20	1.5	3/32	5	1.26	1.07	.826	.576	
926-LM392MX/NOPB	LM392MX/NOPB	SOIC-8	2	0.5	20	1.5	3/32	5	1.05	.896	.688	.48	
926-LM392N/NOPB	LM392N/NOPB	DIP-8	2	0.5	20	1.5	3/32	5	1.33	1.14	.877	.612	
926-LP339M/NOPB	LP339M/NOPB	SOIC-8	4	0.02125	30	8	2/36	5	1.02	.873	.671	.468	
926-LP339MX/NOPB	LP339MX/NOPB	SOIC-8	4	0.02125	30	8	2/36	5	.85	.728	.559	.39	
926-LM2901M/NOPB	LM2901M/NOPB	SOIC-14	4	0.2	16	0.5	2/36	7	1.01	.865	.664	.464	
926-LM2901MX/NOPB	LM2901MX/NOPB	SOIC-14	4	0.2	16	0.5	2/36	7	.85	.728	.559	.39	
926-LM339AM/NOPB	LM339AM/NOPB	SOIC-14	4	0.2	16	0.5	2/36	2	1.04	.89	.684	.477	
926-LM339AMX/NOPB	LM339AMX/NOPB	SOIC-14	4	0.2	16	0.5	2/36	2	.86	.742	.57	.398	
926-LM339M/NOPB	LM339M/NOPB	SOIC-14	4	0.2	16	0.5	2/36	5	.91	.781	.60	.419	
926-LM339MX/NOPB	LM339MX/NOPB	SOIC-14	4	0.2	16	0.5	2/36	5	.86	.722	.466	.373	
926-LM339N/NOPB	LM339N/NOPB	DIP-14	4	0.2	16	0.5	2/36	5	.86	.742	.567	.398	
MicroPower, Open Collector													
595-TLV1701AIDBVT	TLV1701AIDBVT	SOT-23-5	1	0.075	20	0.56	2.2/36	2.5	1.29	1.15	.904	.491	
595-TLV1701AIDCKT	TLV1701AIDCKT	SC-70-5	1	0.075	20	0.56	2.2/36	2.5	1.29	1.15	.904	.491	
595-TLV1702AIDGK	TLV1702AIDGK	VSSOP-8	2	0.075	-	0.78	2.2/36	2.5	1.94	1.74	1.40	.824	
595-TLV1704AIPWR	TLV1704AIPWR	TSSOP-14	4	0.055	20	0.56	2.2/36	2.5	2.57	2.31	1.85	1.09	
NanoPower													
595-TLV3691IDPFT	TLV3691IDPFT	X2SON-6	1	0.00015	0.000075	24	0.9/6.5	15	1.60	1.43	1.11	.608	
Open Drain													
926-LMC7221AIM5/NOPB	LMC7221AIM5/NOPB	SOT-23-5	1	0.007	45	4	2.7/15	5	1.60	1.43	1.11	.608	
926-LMC7221BIM5/NOPB	LMC7221BIM5/NOPB	SOIC-8	1	0.007	45	4	2.7/15	15	1.47	1.32	1.03	.56	
926-LMC7221BIM5/NOPB	LMC7221BIM5/NOPB	SOT-23-5	1	0.007	45	4	2.7/15	15	1.23	1.10	.86	.468	
926-LMC7225IM5/NOPB	LMC7225IM5/NOPB	SOT-23-5	1	0.007	30	4	2/8	6	1.51	1.36	1.09	.644	
926-LMV7275MF/NOPB	LMV7275MF/NOPB	SOT-23-5	1	0.009	34	0.88	1.8/5.4	4	1.27	1.14	.89	.484	
926-LMV7275MG/NOPB	LMV7275MG/NOPB	SC-70-5	1	0.009	34	0.88	1.8/5.4	4	1.27	1.14	.89	.484	
926-LMP7300MA/NOPB	LMP7300MA/NOPB	SOIC-8	1	0.012	10</								