

TEXAS INSTRUMENTS Amplifiers



RoHS Compliant This product is RoHS compliant.

Amplifier ICs

Texas Instruments

AUDIO DIGITAL AMPLIFIERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Output Config.	Output Power (W)	Load (Min.) (Ω)	SE Output Support	Volume Control	Half-Power THD + N @ 1kHz (%)	Sampling Rate (kHz)	Serial Interface	Price Each			
											1	25	100	250
595-TAS5717PHPR	TAS5717PHPR	HTQFP-48	Stereo	10	4	No	Yes	<0.1	8 - 48	I2S,LJ,RJ	4.35	3.55	3.19	2.90

AUDIO AMPLIFIERS

PRODUCT NEW

MOUSER STOCK NO.	TI Part No.	Package	Speaker Channels	Headphone Channels	Output Power (W)	Load (Min.) (Ω)	Iq Per Channel (mA)	Dynamic Range (dB)	Half-Power THD + N @ 1kHz (%)	PSRR (dB)	Price Each				
											1	25	100	250	
Headphone															
595-TPA152D	TPA152D	SOIC-8	None	Stereo	0.075	32	-	-	0.007	81	2.18	2.00	1.58	1.49	
595-TPA6130A2RTJR	TPA6130A2RTJR	QFN-20	None	Stereo	0.138	16	-	-	0.008	109	2.76	2.13	1.93	1.60	
595-TPA6111A2D	TPA6111A2D	SOIC-8	None	Stereo	0.15	8	-	-	0.25	83	.78	.687	.591	.504	
595-TPA6138A2PW	TPA6138A2PW	TSSOP-14	None	Stereo	0.25	32	-	-	0.01	80	1.04	.954	.734	.588	
595-TPA6139A2PW	TPA6139A2PW	TSSOP-14	None	Stereo	0.25	32	-	-	0.03	80	1.18	1.07	.829	.664	
595-TPA152D	TPA152D	SOIC-8	None	Stereo	0.075	32	-	-	0.007	81	2.18	2.00	1.58	1.49	
595-TPA6130A2RTJR	TPA6130A2RTJR	QFN-20	None	Stereo	0.138	16	-	-	0.008	109	2.76	2.13	1.93	1.60	
595-TPA6111A2D	TPA6111A2D	SOIC-8	None	Stereo	0.15	8	-	-	0.25	83	.78	.687	.591	.504	
595-TPA6138A2PW	TPA6138A2PW	TSSOP-14	None	Stereo	0.25	32	-	-	0.01	80	1.04	.954	.734	.588	
595-TPA6139A2PW	TPA6139A2PW	TSSOP-14	None	Stereo	0.25	32	-	-	0.03	80	1.18	1.07	.829	.664	
Mid/High Power															
595-TPA1517NE	TPA1517NE	PDIP-20	Stereo	None	6	4	22.5	-	0.15	65	2.15	1.97	1.55	1.31	
595-TPA3007D1PW	TPA3007D1PW	TSSOP-24	Mono	None	6.5	7	8	-	0.3	73	5.79	5.28	4.23	3.68	
595-TPA3111D1PWP	TPA3111D1PWP	HTSSOP-28	Mono	None	10	4	10	-	0.07	70	2.32	2.12	1.68	1.58	
595-TPA3117D2RHBT	TPA3117D2RHBT	QFN-32	Stereo	None	15	4	-	-	0.1	72	3.64	2.97	2.66	2.55	
595-TPA3110D2PWP	TPA3110D2PWP	HTSSOP-28	Stereo	None	15	4	10	-	0.07	70	2.58	2.36	1.89	1.64	
595-TPA3122D2N	TPA3122D2N	PDIP-20	Stereo	None	15	4	30	-	0.15	60	2.58	2.36	1.89	1.64	
595-TPA3001D1PWP	TPA3001D1PWP	HTSSOP-24	Mono	None	20	4	8	-	0.06	73	6.50	5.20	4.51	4.22	
595-TAS5731PHP	TAS5731PHP	HTQFP-48	Stereo	None	20	4	8	-	10	20	7.00	5.04	4.20	3.64	
595-TPA3112D1PWP	TPA3112D1PWP	HTSSOP-28	Mono	None	25	4	10	-	0.07	70	3.20	2.92	2.34	2.03	
595-TPA3123D2PWP	TPA3123D2PWP	HTSSOP-24	Stereo	None	25	4	30	-	0.08	60	4.13	3.78	2.92	2.77	
595-TAS5727PHP	TAS5727PHP	HTQFP-48	Stereo	None	25	4	-	2-Band	0.03	-	6.25	5.12	4.62	4.07	
595-TPA3106D1VFPR	TPA3106D1VFPR	HLQFP-32	Mono	None	40	4	11	-	0.2	70	5.14	4.19	3.77	3.43	
595-TPA3116D2DAP	TPA3116D2DAP	TSSOP-32	Stereo	None	50	4	-	102	0.1	-70	6.16	4.95	4.51	4.07	
595-TPA3118D2DAP	TPA3118D2DAP	TSSOP-32	Stereo	None	50	4	-	102	0.1	-70	5.60	4.50	4.10	3.70	
595-TPA3130D2DAP	TPA3130D2DAP	TSSOP-32	Stereo	None	50	4	-	102	0.1	-70	4.48	3.60	3.28	2.96	
595-TAS5611APHD	TAS5611APHD	HTQFP-64	Stereo	None	125	4	60	100	0.03	80	10.52	9.62	7.22	6.76	
595-TAS5612LADDV	TAS5612LADDV	TSSOP-44	Stereo	None	125	4	-	105	10	65	10.50	7.56	6.30	5.46	
595-TAS5622ADDV	TAS5622ADDV	TSSOP-44	Stereo	None	125	4	-	105	10	65	8.54	8.08	7.07	6.47	
595-TAS5613APHD	TAS5613APHD	HTQFP-64	Stereo	None	150	4	65	-	0.03	80	7.87	7.65	7.43	7.18	
595-TAS5614LADDV	TAS5614LADDV	TSSOP-44	Stereo	None	150	4	-	105	10	65	11.63	8.37	6.98	6.05	
595-TAS5624ADDV	TAS5624ADDV	TSSOP-44	Stereo	None	150	4	-	105	10	65	9.05	8.56	7.49	6.85	
595-TAS5631BPHD	TAS5631BPHD	HTQFP-64	Stereo	None	300	4	-	110	0.04	80	9.63	9.36	9.10	8.38	
595-TAS5630BPHD	TAS5630BPHD	QFP-64	Stereo	None	400	1.8	22.5	100	10	80	11.09	10.50	9.19	8.40	
595-TAS5630DKD	TAS5630DKD	HSSOP-44	Stereo	None	600	4	11.5	-	0.03	80	14.42	13.78	10.35	10.14	

Portable															
MOUSER STOCK NO.	TI Part No.	Package	No. of Channels	Output Power (W)	Load (Min.) (Ω)	Iq Per Channel (mA)	Dynamic Range (dB)	Half-Power THD + N @ 1kHz (%)	PSRR (dB)	Price Each					
1	25	100	250												
595-TPA301D	TPA301D	SOIC-8	Mono	None	0.35	8	0.7	-	-	85	1.05	.957	.736	.735	
595-TPA301DGN	TPA301DGN	MSOP-8PowerPAD	Mono	None	0.35	8	0.7	-	-	85	1.34	1.22	.941	.939	
595-TPA321D	TPA321D	SOIC-8	Mono	None	0.35	8	0.7	-	-	85	1.05	.957	.736	.735	
595-TPA4861D	TPA4861D	SOIC-8	Mono	None	1	8	-	-	-	75	1.83	1.67	1.32	1.24	
595-TPA2005D1DGN	TPA2005D1DGN	MSOP-8PowerPAD	Mono	None	1.4	8	2.8	-	0.2	75	1.37	1.24	.959	.956	
595-TPA2005D1DRBR	TPA2005D1DRBR	SON-8	Mono	None	1.4	8	2.8	-	0.2	75	1.39	1.10	.99	.861	
595-TPA2025D1YZGT	TPA2025D1YZGT	BGA-12	Mono	None	1.7	8	2	20	1	62.5	2.85	2.38	1.90	1.33	
595-TPA6017A2PWP	TPA6017A2PWP	HTSSOP-20	Stereo	None	2	3	3	-	0.1	77	1.44	1.18	.876	.819	
595-TPA2000D1PW	TPA2000D1PW	TSSOP-16	Mono	None	2	4	4	-	0.08	77	3.08	2.81	2.25	1.96	
595-TPA2080D1YZGT	TPA2080D1YZGT	BGA-12	Mono	None	2.2	4	3.6	20	1	62.5	2.55	2.13	1.70	1.19	
595-TPA2036D1YZFT	TPA2036D1YZFT	DSBGA-9	Mono	None	2.5	4	2.8	-	0.2	75	.90	.663	.602	.579	
595-TPA6211A1DGN	TPA6211A1DGN	MSOP-8PowerPAD	Mono	None	3.1	3	4	-	0.02	85	.94	.77	.576	.538	
595-TPA2029D1YZFT	TPA2029D1YZFT	BGA-9	Mono	None	3.2	4	10	30	0.1	86	2.10	1.75	1.40	.98	

AUDIO OPERATIONAL AMPLIFIERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	No. of Channels	Total Supply Voltage		Iq Per Channel (mA)	GBW (Typ.) (MHz)	Slew Rate (Typ.) (V/μs)	Price Each			
				Min.	Max.				1	25	100	250
595-OPA1632DGN	OPA1632DGN	MSOP-8PowerPAD	2	5	32	17.1	180	50	5.17	4.72	3.78	3.29
595-OPA1612AID	OPA1612AID	SOIC-8	1	5	36	3.6	40	27	7.26	6.76	6.10	5.61
595-OPA1644AIPW	OPA1644AIPW	TSSOP-14	4	5	36	2.3	11	20	5.79	5.28	4.23	3.68

FIXED GAIN AMPLIFIERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	No. of Channels	Iq Per Channel (mA)	Slew Rate (V/μs)	Acl. Min. Stable Gain (V/V)	BW @ Acl (MHz)	Offset Voltage Drift (±) (Max.) (μV/°C)	Diff Gain (%)	Diff Phase (°)	Price Each			
											1	25	100	250
595-OPA832IDBVT	OPA832IDBVT	SOT-23-5	1	-	350	1	92	-	-	-	1.86	1.47	1.33	1.13
595-OPA693IDBVT	OPA693IDBVT	SOT-23-6	1	14.1	2500	1	1400	8	0.03	0.01	5.48	4.48	4.02	3.38
595-OPA633KP	OPA633KP	PDIP-8	1	30	2500	1	2600	33	0.1	0.1	10.55	10.08	7.57	7.42
595-THS4303RGT	THS4303RGT	QFN-16	1	48	5500	10	1800	20	-	-	6.99	6.60	6.00	4.25

EVALUATION MODULES

PRODUCT NEW

MOUSER STOCK NO.	TI Part No.	Description	Price Each
595-AMC1100EVM	AMC1100EVM	Evaluation Module for AMC1100, an Isolated Single-Ch. Analog Amplifier	56.08
595-BUF08630EVM	BUF08630EVM	Evaluation Module for the BUF08630 under various signal, reference and supply conditions	168.09
595-DRV2603EVM-CT	DRV2603EVM-CT	Evaluation Module for DRV2603, a haptic driver designed to control LRA and ERM motors	122.55
595-DRV632EVM	DRV632EVM	Evaluation Module for the DRV632, 2-Channel, 2-V _{RRMS} Line Output Stereo Line Driver	111.69
595-DRV8601ZQVEVM	DRV8601ZQVEVM	Evaluation Module for the DRV8601, a General Purpose Single-Supply Haptics Driver designed to drive a DC motor	101.00
595-INA149EVM	INA149EVM	Evaluation Module for the INA149, High Common-Mode Difference Amplifier	50.00
595-INA223EVM	INA223EVM	Evaluation Module for INA223, evaluating under various signal, shunt, and supply conditions	97.95
595-INA230EVM	INA230EVM	Evaluation Module for the INA230, a High-Side Current Sensor and Power Monitor	85.41
595-INA282-286EVM	INA282-286EVM	Evaluation Module for the INA282, a Wide Common Mode Range, Bidirectional, High Accuracy Current Shunt Monitor	55.28
595-INA826EVM	INA826EVM	Evaluation Module for the INA826, Single and Dual, Low Power, Wide Supply Voltage Amplifier	25.50
595-INA827EVM	INA827EVM	Evaluation Module for INA827, advanced evaluation with two prototype areas	66.96
595-OPA2836IDGSEVM	OPA2836IDGSEVM	Evaluation Module for OPA2836, Dual DGS (10-lead VSSOP)	171.74
595-PCM2906CEVM-U	PCM2906CEVM-U	Evaluation Module for the PCM2906C, a Bus-Powered (500mA) USB Codec with an S/PDIF Interface	168.09
595-PCM9211EVM-U	PCM9211EVM-U	Evaluation Module for the PCM9211, a Digital Audio Interface Transceiver with Stereo ADC and Routing	55.28
595-TAS5614LADDVEVM	TAS5614LADDVEVM	Evaluation Module for TAS5614L, Integrated Stereo Feedback Digital Amplifier Power Stages	425.99
595-TAS5624ADDVEVM	TAS5624ADDVEVM	Evaluation Module for TAS5624, Integrated Stereo Feedback Digital Amplifier Power Stages	425.99
595-TAS5630DKD2EVM	TAS5630DKD2EVM	Evaluation Module for the TAS5630, an Analog Input Stereo Class D Amplifier with Integrated Feedback	407.00
595-TAS5715EVM	TAS5715EVM	Evaluation Module for the TAS5715, a 25W Stereo I2S Audio Amplifier with Speaker EQ, 2-Band DRC and DC protection	224.50
595-TAS5717EVM	TAS5717EVM	Evaluation Module for the TAS5717, a Digital Input Stereo Amplifier with integrated CAP free headphone amp	224.50
595-TAS5719EVM	TAS5719EVM	Evaluation Module for the TAS5719, a Digital Input Stereo Amplifier with integrated CAP free headphone amp	224.50
595-TAS5731EVM	TAS5731EVM	Evaluation Module for the TAS5731PHP, a 20W Stereo Class-D Audio Amplifier	224.50
595-TPA2025D1EVM	TPA2025D1EVM	Evaluation Module for the TPA2025D1, a mono 2.0 W Class-D Audio Amplifier	168.09
595-TPA6138A2EVM	TPA6138A2EVM	Evaluation Module for the TPA6138A2, a DIRECTPATH™ Headphone Driver with Adjustable Gain	111.69
595-THS77000EVM	THS77000EVM	Evaluation Module for the THS770006, a High-Speed Fully Differential ADC Driver Amplifier with Fixed Gain	111.69
595-THS770012EVM	THS770012EVM	Evaluation Module for the THS770012, a High-Speed Fully Differential ADC Driver Amplifier with 10-13dB Selectable Gain	111.69</