

# NATIONAL PRODUCTS Amplifiers

National Products  
from Texas Instruments

RoHS Compliant This product is RoHS compliant.

## STANDARD LINEAR AMPLIFIERS (CONT.)

MOUSER STOCK NO.	National Products Part No.	Package Style	No. of Channels	Total Supply Voltage (Min./Max.) (+5V=5, ±5V=10)	Supply Current Per Channel (Max.) (mA)	GBW (Typ.) (MHz)	Slew Rate (Typ.) (V/μs)	V <sub>OS</sub> (25°C) (Max.) (mV)	Price Each		
									1	25	100
<b>Micropower, Rail-to-Rail (Cont.)</b>											
926-LMC6464AIM/NOPB	LMC6464AIM/NOPB	TSSOP-14	4	3/15.5	0.02	0.05	0.028	0.5	4.82	3.87	3.52
926-LMC6464BIM/NOPB	LMC6464BIM/NOPB	SOIC-14	4	3/15.5	0.02	0.05	0.028	3	4.37	3.51	3.19
926-LMC6464BIN/NOPB	LMC6464BIN/NOPB	DIP-14	4	3/15.5	0.02	0.05	0.028	3	4.56	3.66	3.34
<b>Transconductance</b>											
926-LM13700M/NOPB	LM13700M/NOPB	SOIC-16	2	10/36	1.3	2	50	4	1.44	1.15	1.00
<b>Ultra-Low Input Current</b>											
926-LMC6001AIN/NOPB	LMC6001AIN/NOPB	DIP-8	1	4.5/15.5	0.45	1.3	1.5	0.35	17.69	14.87	13.66
<b>Wide Bandwidth, JFET Input</b>											
926-LF353M/NOPB	LF353M/NOPB	SOIC-8	2	10/36	1.8	4	13	10	1.21	.966	.845
926-LF353MX/NOPB	LF353MX/NOPB	SOIC-8	2	10/36	1.8	4	13	10	1.31	1.03	.931
926-LF353N/NOPB	LF353N/NOPB	DIP-8	2	10/36	1.8	4	13	10	1.28	1.02	.896
926-LF347BN/NOPB	LF347BN/NOPB	DIP-14	4	8/36	1.8	4	13	5	2.52	2.03	1.82
926-LF347M/NOPB	LF347M/NOPB	SOIC-14	4	8/36	1.8	4	13	10	2.64	2.12	1.91
926-LF347MX/NOPB	LF347MX/NOPB	SOIC-14	4	8/36	1.8	4	13	10	2.64	2.12	1.91
926-LF347N/NOPB	LF347N/NOPB	DIP-14	4	8/36	1.8	4	13	10	2.27	1.83	1.64

## FULLY DIFFERENTIAL AMPLIFIERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	National Products Part No.	Package Style	No. of Channels	Total Supply Voltage (Min./Max.) (+5V=5, ±5V=10)	Supply Current Per Channel (Max.) (mA)	GBW (Typ.) (MHz)	Slew Rate (Typ.) (V/μs)	V <sub>OS</sub> (25°C) (Max.) (mV)	Price Each		
									1	25	100
926-LMH6551QMME/NOPB	LMH6551QMME/NOPB	MSOP-8	1	3/11	16.5	370	2400	0.5	4.62	3.76	3.38
926-LMH6550MA/NOPB	LMH6550MA/NOPB	SOIC-8	1	5/12	20	400	3000	5	5.99	4.81	4.38
926-LMH6552MA/NOPB	LMH6552MA/NOPB	SOIC-8	1	4.5/12	19	1000	3800	16.5	9.25	7.58	6.84
926-LMH6553MR/NOPB	LMH6553MR/NOPB	SOP-8	1	4.5/12	29.1	720	2300	-----	7.85	6.44	5.81
926-LMH6553SDE/NOPB	LMH6553SDE/NOPB	LLP-8	1	4.5/12	29.1	720	2300	-----	8.32	6.90	6.28
926-LMH6554LEE/NOPB	LMH6554LEE/NOPB	LLP-14	1	4.7/5.25	52	2500	6200	3	11.21	9.30	8.46
926-LMP7312MA/NOPB	LMP7312MA/NOPB	SOIC-14	1	4.5/5.5	2	1	1.4	0.1	7.85	6.44	5.81

## VOLTAGE COMPARATORS

PRODUCT NEW

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	National Products Part No.	Package Style	No. of Channels	Total Supply Voltage (Min./Max.) (+5V=5, ±5V=10)	Supply Current Per Channel (Max.) (mA)	Output Current (Min.) (mA)	Response Time Rate (μs)	V <sub>OS</sub> (25°C) (Max.) (mV)	Price Each		
									1	25	100
<b>High-Speed</b>											
926-LM319AM/NOPB	LM319AM/NOPB	SOIC-14	2	5/36	4	25	0.08	1	1.57	1.26	1.14
926-LM319MX/NOPB	LM319MX/NOPB	SOIC-14	2	5/36	4	25	0.08	8	1.39	1.09	.985
<b>High-Speed Differential</b>											
926-LM360M/NOPB	LM360M/NOPB	SOIC-8	1	9/16	18	20	0.013	2	5.32	4.27	3.89
<b>High-Speed, Rail-to-Rail, Open Drain</b>											
926-LMV7235M5/NOPB	LMV7235M5/NOPB	SOT-23-5	1	2.7/5	0.065	55	0.045	6	2.06	1.59	1.44
926-LMV7235M7/NOPB	LMV7235M7/NOPB	SC-70-5	1	2.7/5	0.065	55	0.045	6	2.06	1.59	1.44
926-LMV7219M5/NOPB	LMV7219M5/NOPB	SOT-23-5	1	2.7/5	1.1	20	0.007	6	3.13	2.41	2.18
926-LMV7219M7/NOPB	LMV7219M7/NOPB	SC-70-5	1	2.7/5	1.1	20	0.007	6	3.13	2.41	2.18
<b>High-Speed, Rail-to-Rail, Push-Pull</b>											
926-LMV7239M5/NOPB	LMV7239M5/NOPB	SOT-23-5	1	2.7/5.5	0.065	55	0.045	6	2.39	1.84	1.67
926-LMV7239M7/NOPB	LMV7239M7/NOPB	SC-70-5	1	2.7/5.5	0.065	55	0.045	6	2.39	1.84	1.67
<b>Low Power</b>											
926-LM397MF/NOPB	LM397MF/NOPB	SOT-23-5	1	5/30	0.25	13	0.25	7	.88	.685	.597
926-LM311M/NOPB	LM311M/NOPB	SOIC-8	1	5/36	5.1	50	0.1	7.5	.96	.744	.648
926-LM311MX/NOPB	LM311MX/NOPB	SOIC-8	1	5/36	5.1	50	0.1	7.5	1.06	.816	.72
926-LM311N/NOPB	LM311N/NOPB	DIP-8	1	5/36	5.1	50	0.1	7.5	.98	.784	.686
926-LM392M/NOPB	LM392M/NOPB	SOIC-8	2	3/32	0.5	20	1.5	5	1.37	1.09	.955
926-LM392MX/NOPB	LM392MX/NOPB	SOIC-8	2	3/32	0.5	20	1.5	5	1.37	1.09	.955
926-LM392N/NOPB	LM392N/NOPB	DIP-8	2	3/32	0.5	20	1.5	5	1.43	1.14	.99
926-LP339M/NOPB	LP339M/NOPB	SOIC-8	4	2/36	0.02125	30	8	5	1.12	.896	.784
926-LP339MX/NOPB	LP339MX/NOPB	SOIC-8	4	2/36	0.02125	30	8	5	1.22	.96	.864
<b>Low Power, Low Offset</b>											
926-LM2903M/NOPB	LM2903M/NOPB	SOIC-8	2	2/36	0.2	16	0.4	7	.98	.756	.658
926-LM2903MX/NOPB	LM2903MX/NOPB	SOIC-8	2	2/36	0.2	16	0.4	7	1.07	.829	.732
926-LM393M/NOPB	LM393M/NOPB	SOIC-8	2	2/36	0.2	16	0.4	5	.96	.744	.648
926-LM393MX/NOPB	LM393MX/NOPB	SOIC-8	2	2/36	0.2	16	0.4	5	1.06	.816	.72
926-LM393N/NOPB	LM393N/NOPB	DIP-8	2	2/36	0.2	16	0.4	5	.98	.784	.686
926-LM2901M/NOPB	LM2901M/NOPB	SOIC-14	4	2/36	0.2	16	0.5	7	1.02	.812	.71
926-LM2901MX/NOPB	LM2901MX/NOPB	SOIC-14	4	2/36	0.2	16	0.5	7	1.10	.87	.783
926-LM339AM/NOPB	LM339AM/NOPB	SOIC-14	4	2/36	0.2	16	0.5	2	1.16	.924	.808
926-LM339AMX/NOPB	LM339AMX/NOPB	SOIC-14	4	2/36	0.2	16	0.5	2	1.25	.99	.891
926-LM339M/NOPB	LM339M/NOPB	SOIC-14	4	2/36	0.2	16	0.5	5	1.02	.812	.71
926-LM339MX/NOPB	LM339MX/NOPB	SOIC-14	4	2/36	0.2	16	0.5	5	1.10	.87	.783
926-LM339N/NOPB	LM339N/NOPB	DIP-14	4	2/36	0.2	16	0.5	5	1.16	.924	.808
926-LM2901M	LM2901M	SOIC-14	4	2/36	0.2	6	1.3	3	1.04	.83	.728
926-LM2901MX	LM2901MX	SOIC-14	4	2/36	0.2	6	1.3	3	1.04	.83	.728
926-LM2903M	LM2903M	SOIC-14	4	2/36	0.2	6	1.3	3	.92	.71	.633
926-LM2903MX	LM2903MX	SOIC-14	4	2/36	0.2	6	1.3	3	.92	.71	.633
<b>Low Power, Push-Pull</b>											
926-LMV762MMX/NOPB	LMV762MMX/NOPB	MSOP-8	2	2.7/5	0.014	5	0.12	0.2	1.56	1.25	.844
<b>Low Power, Low Voltage, Open Drain</b>											
926-LMV331M5/NOPB	LMV331M5/NOPB	SOT-23-5	1	2.7/5.5	0.06	84	0.2	7	.84	.646	.57
926-LMV331M5X/NOPB	LMV331M5X/NOPB	SOT-23-5	1	2.7/5.5	0.06	84	0.2	7	.84	.646	.57
926-LMV331M7/NOPB	LMV331M7/NOPB	SC-70-5	1	2.7/5.5	0.06	84	0.2	7	.88	.68	.60
926-LMV331M7X/NOPB	LMV331M7X/NOPB	SC-70-5	1	2.7/5.5	0.06	84	0.2	7	.88	.68	.60
926-LMV393M/NOPB	LMV393M/NOPB	SOIC-8	2	2.7/5.5	0.0425	84	0.2	7	.96	.74	.648
926-LMV393MM/NOPB	LMV393MM/NOPB	MiniSOIC-8	2	2.7/5.5	0.0425	84	0.2	7	1.06	.816	.72
926-LMV339M/NOPB	LMV339M/NOPB	SOIC-14	4	2.7/5.5	0.05	84	0.2	7	1.19	.952	.833
926-LMV339MT/NOPB	LMV339MT/NOPB	TSSOP-14	4	2.7/5.5	0.05	84	0.2	7	1.33	1.06	.931
<b>Low Power, Open Drain</b>											
926-LM6511M/NOPB	LM6511M/NOPB	SOIC-8	1	2.7/36	2.7	100	0.18	5	2.62	2.11	1.92
926-LM311H/NOPB	LM311H/NOPB	TO-99	1	5/36	5.1	50	0.1	7.5	8.45	6.92	6.25
926-LMC6762AIM/NOPB	LMC6762AIM/NOPB	SOIC-8	2	2.7/15	0.006	30	4	5	2.86	2.29	2.09
926-LMC6762BIM/NOPB	LMC6762BIM/NOPB	SOIC-8	2	2.7/15	0.006	30	4	15	2.61	2.10	1.89
926-LM6131WM/NOPB	LM6131WM/NOPB	SOIC-16	2	4/36	0.112	25	0.75	5	3.05	2.45	2.23
<b>Low Power, Rail-to-Rail, Open Drain</b>											
926-LMV7275MF/NOPB	LMV7275MF/NOPB	SOT-23-5	1	1.8/5.5	0.009	34	0.88	4	1.56	1.23	1.10
926-LMV7275MGX/NOPB	LMV7275MGX/NOPB	SOT-5	1	1.8/5.5	0.014	10	1.8	4	.92	.738	.498
926-LMV7275MG/NOPB	LMV7275MG/NOPB	SC-70-5	1	1.8/5.5	0.009	34	0.88	4	1.56	1.23	1.10
926-LMV7235M5X/NOPB	LMV7235M5X/NOPB	SOT-23-5	1	2.7/5.5	0.095	123	0.045	8	1.32	1.06	.716
926-LMV7235M7X/NOPB	LMV7235M7X/NOPB	SOT-5	1	2.7/5.5	0.095	60	0.045	6	1.32	1.06	.716
926-LMC7221AIM5/NOPB	LMC7221AIM5/NOPB	SOT-23-5	1	2.7/15	0.007	45	4	5	2.24	1.72	1.56

Amplifier ICs

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