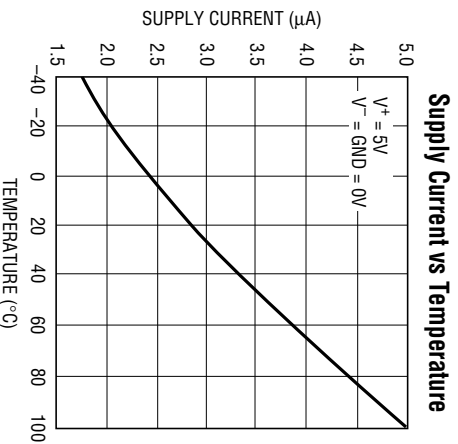


Comparators

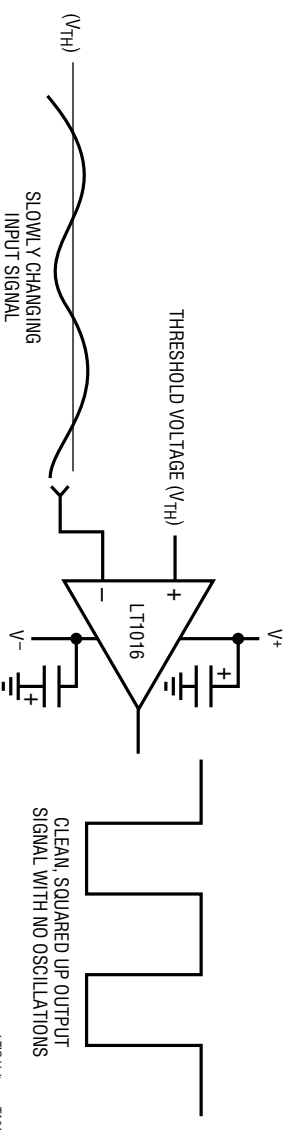
InfoCard 10

Response Time	MAXIMUM V_{OS}					TTL OUTPUTS	ECL OUTPUTS	OPEN-DRAIN COLLECTOR	QUAD	DUAL	SINGLE	GROUND SENSE	MICRO- POWER	ADDITIONAL COMMENTS
	20mV	10mV	≤ 3 mV	≤ 2 mV	1mV									
100 μ s						LTC [®] 1040				LTC1040		LTC1040	LTC1040	Sampling: Consumes 1.5 μ W at 1 Sample/Sec.
						LTC1041				LTC1041		LTC1041	LTC1041	Bang-Bang Controller: 1.5 μ W at Sample/Sec.
15 μ s						LTC1042				LTC1042		LTC1042	LTC1042	Sampling Window Comp.: 1.5 μ W at 1 Sample/Sec.
12 μ s						LT [®] 1017				LT1017		LT1017	LT1017	60 μ A Max. I_{CC} /Operates to 1.1V
						LTC1443/4/5				LTC1443/4/5		LTC1443/4/5	LTC1443/4/5	Built-in Reference: (1.182V or 1.221V) 8.5 μ A Supply Current
						LTC1441				LTC1441		LTC1441	LTC1441	6 μ A Supply Current
						LTC1440/2				LTC1440/2		LTC1440/2	LTC1440/2	Built-in Reference: (1.182V) 6 μ A Supply Current
4 μ s						LT1018				LT1018		LT1018	LT1018	250 μ A Max. I_{CC} /Operates to 1.1V
250ns						LT1011				LT1011				12-Bit Accurate
14ns						LT1011A				LT1015		LT1116		High Speed Two-Channel Line Receiver
						LT1015				LT1116		LT1116		Ground Sense/Single Supply
12ns						LT1016				LT1016		LT1016		No Min. Input Slew Rate Requirement/Latched Output
6.5ns						LT685				LT685				Latched ECL Outputs

LTC1440 Maintains Microamp Supply Current Over Industrial Temperature Range



LT1016 Doesn't Oscillate with Slowly Changing Input Signals



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Rev G 0496

Positive Regulators

I _{OUT}	PART NUMBER	DROPOUT VOLTAGE	MICRO-POWER	ADJUST-ABLE	FIXED OUTPUT VOLTAGES AVAILABLE	REMOTE SENSE	SHUTDOWN	DUAL OUTPUT	HIGH VOLTAGE	LOW-BATT DETECTOR	SURFACE MOUNT PACKAGE
125mA	LT1020	0.4V	☑	☑		☑	☑			☑	SOL
	LT1120	0.4V	☑	☑		☑	☑			☑	S8
	LT1120A	0.4V	☑	☑		☑	☑			☑	S8
150mA	LT1121	0.42V	☑	☑			☑			☑	S8, SOT223
300mA	LT1521	0.5V	☑	☑	3, 3.3, 5		☑				S8, SOT223
500mA	LT317AH	3V		☑					(LT317AHVH)		
	LT1086	0.95V	☑	☑							
800mA	LT1129	0.4V				☑	☑				S8, DD, SOT223
	LT1117	1.1V									SOT223, DD
1A	LT1005	2V			5		☑	☑			
1.5A	LT317A	3V		☑					(LT317AHVK)		
	LT1086	1.3V		☑	2.85, 3.3, 3.6, 5, 12						DD
3A	LT323A	2.5V			5						
	LT350A	3V		☑							
	LT1035	2.2V			5V/3A, 5V/75mA		☑	☑			
	LT1036	2.4V			5V/75mA, 12V/3A		☑	☑			
	LT1085	1.3V		☑							DD (-3.3, -3.6 Only)
	LT1587	1.1V		☑	3.3, 3.45, 3.6						DD
	LT1528	0.6V		☑	3.3		☑				DD
	LT1529	0.5V	☑	☑	3.3, 5		☑				DD
4A	LT1585	1.1V			3.38, 3.45, 3.6						DD (Also 3.38, 3.45V)
4.6A	LT1585	1.1V		☑	3.3						DD
5A	LT1585A	1.1V		☑	3.3						DD
	LT338A	3V		☑							
	LT1003	2.5V			5						
	LT1084	1.3V		☑	3.3, 5, 12						
	LT1087	1.3V		☑		☑					
7A	LT1584	1.1V		☑	3.3, 3.38, 3.45, 3.6						
	LT1580	0.45V		☑	2.5	☑	☑				
7.5A	LT1083	1.3V		☑	5, 12						
10A	LT1038	3V		☑							

Negative Regulators

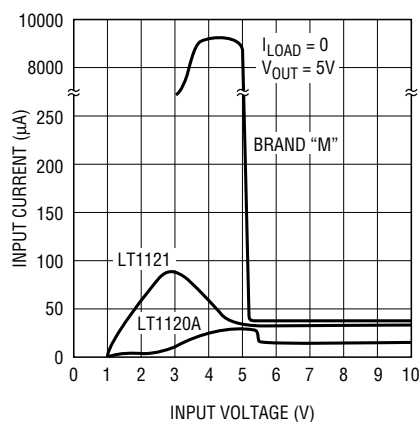
500mA	LT337A	3V		☑					(LT337AHVH)		
800mA	LT1175	0.45V	☑	☑	5		☑				DD, S8
1.5A	LT337A	3V		☑					(LT337AHVK)		
3A	LT1033	3V		☑							
	LT1185	0.8V		☑		☑	☑				

Discrete PNP Pass Element Driver and Regulators

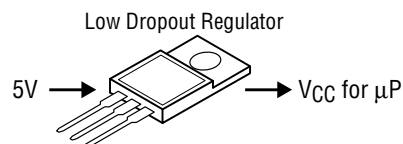
	LT1123	0.45V				☑					SOT223
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Not all output voltage variations are available in the indicated surface mount packages. Please consult factory for availability.

LT1120A/LT1121: Lowest Quiescent Current, Best Efficiency



Easy 5V to V_{CC} for New Microprocessors



I _{OUT}	2.5V	3.3V	3.38V*	3.45V	3.6V	4.0V
1.5A	—	LT1086-3.3	—	LT1086	LT1086-3.6	
3A	—	LT1587-3.3	—	LT1587-3.45	LT1587-3.6	
	—	LT1528	LT1528	LT1528	LT1528	LT1528
4A	—	LT1585-3.3	LT1585-3.38	LT1585-3.45	LT1585-3.6	
4.6A	—	LT1585-3.3	LT1585-3.38	LT1585-3.45	LT1585-3.6	
5A	LT1580-2.5	LT1585A-3.3	—	—	—	
7A	LT1580-2.5	LT1584-3.3	LT1584-3.38	LT1584-3.45	LT1584-3.6	
	—	LT1580	LT1580*	LT1580	LT1580	LT1580
7.5A	—	LT1083	—	LT1083	LT1083	
10A	—	2 × LT1087	—	2 × LT1087	2 × LT1087	

*3.3V +5/-0%: Perfect for Pentium® Processors

- SMT Packages up to 4.6A
- Three Terminal Regulators; No Design Required