

Microsemi Linear and Low Drop (LDO) Regler

Low Dropout Regulators

Fixed and Adjustable Regulators

LX8117-xx/LX8117A-xx/8117B-xx - 0.8A, 1A & 1.2A LDO Positive Regulators:*Adj.*, 2.5V, 2.8V, 3.3V, 5V

LX8382-xx/LX8382A-xx - 10A Low Dropout Positive Regulators:*Adjustable*, 3.3V

LX8383-xx/LX8383A-xx/LX8383B-xx** - 7.5A Low Dropout Positive Regulators:*Adjustable*, 3.3V

LX8384-xx/LX8384A-xx/LX8384B-xx** - 5A Low Dropout Positive Regulators:*Adjustable*, 1.5V,3.3V

LX8385-xx/LX8385A-xx/LX8385B-xx** - 3A Low Dropout Positive Regulators:*Adjustable*, 3.3V, 5V

LX8386-xx/LX8386A-xx/LX8386B-xx** - 1.5A Low Dropout Positive Regulators:*Adjustable*, 3.3V

LX8415-xx - 0.5A Low Dropout Regulators:*Adjustable*, 2.5V, 3.3V

LX8554-xx - 5A Extremely Low Dropout Positive Regulators:*Adjustable*, 3.3V

LX8580 - 7A Very Low Dropout Positive Adjustable Regulators:*Adjustable only*

LX8582A-xx - 8.5A Low Dropout Positive Regulators:*Adjustable*, 3.3V

LX8584-xx/LX8584A-xx/LX8584B-xx** - 7A Low Dropout Positive Regulators:*Adjustable*, 3.3V

LX8585-xx/LX8585A-xx - 4.6A Low Dropout Positive Regulators:*Adjustable*, 1.5V,3.3V

LX8586-xx/LX8586A-xx - 6A Low Dropout Positive Regulators:*Adjustable*, 3.3V

LX8587-xx/LX8587A-xx - 3A Low Dropout Positive Regulators: *Adjustable*, 1.5V,3.3V

LX8610-xx - 1A BiCMOS Very Low Dropout Regulators:*Adjustable*, 2.5V, 3.3V

LX8630-xx - 3A BiCMOS Very Low Dropout Regulators:*Adjustable*, 2.5V, 3.3V

LX8940 - 5V Low Dropout Regulator:*5V only*

LX8941 - Adjustable Low Dropout Regulator:*Adjustable only*

SG29055/29055A - Low Dropout Dual Regulator:5V, 5V

SG29085/29085A - Low Dropout Dual Regulator:8.2V, 5V

SG29125/29125A - Low Dropout Dual Regulator:12V, 5V

Low Dropout Regulators

LDO Fixed and Adjustable Regulators Selection Guide

Single Channel							
Output Current (A)	LinFinity Part Number	Maximum Dropout Voltage (V)	Fixed Output Voltage (V)	Adjustable Voltage Range (V)	Maximum Input Voltage (V)	Available Packages	
10	LX8382-xx LX8382A-xx	1.4 1.2	3.3	1.25 to 8	10	TO-220 (P) TO-257 (V)	
8.5	LX8582A-xx	1.3	3.3	1.25 to 8	10	TO-220 (P) TO-247 (V)	
7.5	LX8383-xx LX8383A-xx LX8383B-xx**	1.5 1.3 1.3	3.3	1.25 to 8	10	TO-220 (P) TO-247 (V)	
	LX8580A	0.65	n/a	1.25 to 6	7	TO-263(DD), TO-220(P), S-Pak (DF) 5-pin	
7	LX8584-xx LX8584A-xx LX8584B-xx**	1.4 1.2 1.4	3.3	1.25 to 8	10	TO-220 (P) TO-247 (V)	
6	LX8586-xx LX8586A-xx	1.3 1.1	3.3	1.25 to 8	10	TO-220 (P) TO-247 (V)	
5	LX8554-xx	1	3.3	1.25 to 8	10	TO-220 (P), TO-263 (DD)	
	LX8384-xx LX8384A-xx LX8384B-xx**	1.5 1.3 1.3	1.5 & 3.3			TO-220 (P), TO-263 (DD) TO-252 (DT)	
	LX8587-xx LX8587A-xx	1.3 1.2	1.5 & 3.3			TO-220 (P) TO-263 (DD)	
3	LX8385-xx LX8385A-xx LX8385B-xx**	1.5 1.3 1.3	3.3 & 5.0	1.25 to 8	10	TO-220 (P), TO-263 (DD), TO-252 (DT)	
	LX8630-xx	0.6	2.5, 3.3			5.5	TO-220 (P) 3 & 5-pin TO-263 (DD) 3 & 5-pin
	LX8386-xx LX8386A-xx LX8386B-xx**	1.5 1.3 1.3	3.3			1.25 to 8	10
1.2	LX8117B-xx	1.3	2.5, 2.85 3.3, 5.0	1.25 to 8	15	SOT-223 (ST) TO-263 (DD) TO-252 D-Pak (DT)	
1	LX8940	0.8	5.0	n/a	26	TO-220 (P)	
	LX8941	0.8	n/a	1.25 to 25		TO-220 (P) 5-pin TO-263 (DD) 5-pin	
	LX8610-xx	0.45	2.5, 3.3	1.25 to 4.9	5.5	SOIC (DM) 8-pin SOT-223 (ST) 3-pin	
	LX8117A-xx	1.3	2.5, 2.85 3.3, 5.0	1.25 to 8	15	SOT-223 (ST) TO-263 (DD) TO-252 D-Pak (DT)	
0.8	LX8117-xx	1.2	2.5, 2.85 3.3, 5.0	1.25 to 8	15	SOT-223 (ST) TO-263 (DD) TO-252 D-Pak (DT)	
0.5	LX8415-xx	1.3	2.5, 3.3	1.25 to 8	15	SOT-223 (ST)	
0.15	LX8211	0.3	2.5, 2.7, 3.0	1.25 to 5.5	6	SOT-23 (SE) 5-pin	

**0.8% initial accuracy (25 degrees Celsius), 1% voltage reference accuracy over line, load, and temperature.

Dual Channel							
Output Current (A)	LinFinity Part Number	Maximum Dropout Voltage (V)	Fixed Output 1 (V)	Fixed Output 2 (V)	Adjustable Voltage Range (V)	Maximum Input Voltage (V)	Available Packages
2.5	LX8817	0.63	2.5 + Adj	Adj	1.25 to 3.3	10	S-Pak (DF) 7-pin
1	LX8816	1.3	3.3	2.5	1.25 to 10	12	S-Pak (DF) 5-pin
			Adj	3.3			
0.15	LX8221	0.3	2.5 2.7 3.0 Adj	Please See Factory	1.25 to 3.0	6	MSOP (DU) 10-pin

Linear Voltage Regulators

SG109/309 - Positive Fixed Voltage Regulator

SG117/217/317, SG117A/217A/317A - Positive Adjustable Voltage Regulator

SGR117A - Rad Hard 1.4A Adjustable Voltage Regulator

SG1532/2532/3532 - Precision Positive Adjustable Voltage Regulator

SG723 - Precision Positive Adjustable Voltage Regulator

SG7800/7800A Series - Positive Fixed Voltage Regulator - 5V

SG7900/7900A Series - Negative Fixed Voltage Regulator - 5V