

Ultralow Noise Regulators

Part Number	Type	Function	Noise	V _{IN} Min (V)	V _{IN} Max (V)	V _{OUT} Min (V)	V _{OUT} Max (V)	Output Current (A)	Switch Configuration	Frequency	Package	Extended Temp Range	Comments	Price 1K Qty
LT1683	Push-Pull Controller	Boost, flyback, Cuk	<200µVPP	7.3	20	5	100	5	External	20kHz to 250kHz	SSOP20	E	See LT1534 for lower power	\$4.75
LT1738	Switching Controller	Boost, flyback, Cuk	<200µVPP	7.3	20	5	100	5	External	20kHz to 250kHz	SSOP20	E, I		\$4.10
LT1764/A	Low Drop Out Reg	Step-Down	<40µVRMS	1.5	20	1.2	20	3	Internal	Not applicable	Q,T5	E	Adj, 1.8V, 2.5V, 3.3V	\$3.30
LT1534	Switching Reg	Boost, Inverting	<100µVPP	2.7	23	5	100	2	Internal	20kHz to 250kHz	SO16	I	See LT1683 for higher power	\$3.93
LT1963/A	Low Drop Out Reg	Step-Down	<40µVRMS	1.5	20	1.2	20	1.5	Internal	Not applicable	T5,Q, ST, S8	E	Adj, 1.5V, 1.8V, 2.5V, 3.3V	\$2.15
LT1533	Switching Reg	Boost, Inverting	<100µVPP	2.7	23	5	100	1	Internal	20kHz to 250kHz	SO16	I	See LT1534 or LT1683 for higher power	\$4.65
LT3439	Switching Reg	Isolated Push-Pull	<20mVRMS	2.8	20	2.8	n/a	1	Internal	20kHz to 250kHz	TSSOP-16E	E	Adjustable slew rates. 40dB decrease in noise	\$3.50
LT1777	Switching Reg	Boost, flyback	<100µVPP	6.7	48	5	30	0.7	Internal	100kHz to 250kHz	SO16	I		\$2.65
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LT1763	Low Drop Out Reg	Step-Down	<20µVRMS	1.5	20	1.2	20	0.5	Internal	Not applicable	S8	–	Adj, 1.5V, 1.8V, 2.5V, 3V, 3.3V, 5V	\$1.95
LTC3251	Charge Pump, Spread Spectrum	Step-Down	<14mVRMS	2.7	5.5	0.9	1.6	0.5	Internal	1MHz to 1.6MHz	MS10	E	Spread Spectrum Switching Noise @ -80dB	\$1.95
LT1962	Low Drop Out Reg	Step-Down	<20µVRMS	1.5	20	1.2	20	0.3	Internal	Not applicable	MS8	E	Adj, 1.5V, 1.8V, 2.5V, 3V, 3.3V, 5V	\$1.65
LTC1911	Charge Pump	Step-Down	<5mVRMS	2.7	5.5	1.5/1.8	1.5/1.8	0.25	Internal	1.5MHz	MS8	E	1.5V,1.8V Fixed only	
LTC3250	Charge Pump	Step-Down	<4mVRMS	3.1	5.5	1.5	1.5	0.25	Internal	1.5MHz	ThinSOT	E	Fixed 1.5V output only	\$1.35
LT1964	Negative Low Drop Out Reg	Step-Down	<30µVRMS	-1.5	-20	-1.2	-20	0.2	Internal	Not applicable	ThinSOT	E	Adj, -5V	\$1.35
LT1762	Low Drop Out Reg	Step-Down	<20µVRMS	1.5	20	1.2	20	0.15	Internal	Not applicable	MS8	E	Adj, 2.5V, 3V, 3.3V, 5V	\$1.10
LT1761	Low Drop Out Reg	Step-Down	<20µVRMS	1.5	20	1.2	20	0.1	Internal	Not applicable	ThinSOT	E	Adj, 1.5V, 1.8V, 2V, 2.5V, 2.8V, 3V, 3.3V, 5V	\$0.90