

Tiny Package LDO Regulators

For POLLDOREG
circuits of the SER

Part & Source	Vs min	Vs max	DropoutVoltage, Typ. @ 50mA	Vout min	Vout max	Package Type	Package Area	Digit-Key #	Digi- Key Price	Digi-Key Quant. (Aug07)	NOTES:
ADP3331_ADI	1.6v	12v	0.065v	1.5v	11.75v	SOT-23-6	8.12mm	ADP3331ARTZ-REEL7CT-ND	\$2.20	1,021	200mA, anyCAP, error signal, best as fixed V
FAN2500_Fairchild	2.7v	6.5v	0.045v	1.8v	6.3v	SOT-23-5	7.83mm	FAN2500SXCT-ND	\$0.84	820	100mA, anyESR, easy to adjust
IRU1205_Intern. Rectifier	2.5v	10v	0.085v	?	?	SOT-23-5	8.12mm	IRU1205CLCT-ND	\$0.66	538	300mA, minimum ESR, adjustment restriction:
LT1761_Linear Tech	1.8v	20v	0.24v	1.22v	19.5v	SOT-23-5	8.12mm	LT1761ES5-BYP#TRMCT-ND	\$2.38	559	100mA, easy to adjust, Out-CAP ESR≤3Ω
LTC1844_Linear Tech	1.6v	6.5v	0.045v	1.25v	6.0v	SOT-23-5	8.12mm	LTC1844ES5-BYP#TRMCT-ND	\$2.88	998	150mA, very low dropout, Out-CAP ESR≤0.3Ω
MIC5219_Micrel	2.5v	12v	0.115v	1.0v	11.5v	SOT-23-5	8.12mm	576-1282-1-ND	\$1.43	1,348	500mA _{Pk} , Out-CAP ESR≤1Ω
MIC5233_Micrel	2.3v	36v	0.23v	1.24v	20v	SOT-23-5	8.12mm	576-1507-1-MD	\$1.55	2,589	100mA _{Pk} , Out-CAP ESR≤3Ω
MIC5301_Micrel	2.3v	5.5v	0.012v	1.25v	5.4v	MLF-6	2.56mm	576-1593-6-ND	\$0.99	0	150mA, SUPER-TINY, NON-STOCK
MIC5305_Micrel	2.25v	5.5v	0.02v	1.25v	5.44v	MLF-6	4.0mm	MIC5305BMLTR-ND	\$0.75	0	150mA, TINY, NON-STOCK--5Kmin
TC1071_Microchip	2.7v	6.0v	0.085v	1.2v	5.25v	SOT-23-5	8.12mm	TC1071VCT713CT-ND	\$0.72	2,019	100mA, 0.1Ω ≥ CAP-ESR ≤5Ω, easy adjust
LX8211_Microsem	2.5v	6.0v	0.1v	0.5v	5.1v	SOT-23-5	8.12mm	LX8211-001SECT-ND	\$0.60	2,143	150mA, 0.005Ω ≥ CAP-ESR ≤1Ω
LP2980_National Sem	2.5v	16v	0.12v	1.23v	15v	SOT-23-5	8.12mm	LP2980IM5-ADJCT-ND	\$0.84	789	50mA, 1.0Ω ≥ CAP-ESR ≤9.0Ω
SC553_SemTech	2.25v	6.5v	0.05v	1.25v	6.0v	SOT-23-5	8.12mm	SC553KCT-ND	\$1.08	2,270	150mA, easy to adjust, Out-CAP ESR≤1Ω
REG102_TI-BB	1.8	10v	0.04v	2.5v	5.5v	SOT-23-5	8.12mm	REG102NA-AV250CT-ND	\$2.57	53	250mA, easy to adjust, Out-Cap option:
TPS715_TI	2.5v	24v	0.415v	1.2v	15v	SC70-5	4.2mm	296-12957-1-ND	\$1.02	1,555	50mA, high dropout; but, ≈ 200mV @ 20mA, TINY
TPS73201_TI	1.7v	5.5v	0.013v	1.2v	5.5v	SOT-23-5	8.12mm	296-19676-1-ND	\$1.90	2,632	250mA, adjustment restrictions, minimum ESF
TPS76201_TI	2.7v	10v	0.09v	0.7v	5.5	SOT-23-5	8.12mm	296-11013-1-ND	\$1.11	2,994	150mA, 0.035Ω ≥ CAP-ESR ≤1.5Ω
TPS736_TI	1.7v	5.5	0.017v	1.2v	5.5v	SOT-23-5	8.12mm	296-18255-1-ND	\$2.03	452	400mA, adjustment restrictions, minimum ESF
TPS76901_TI	2.7v	10v	0.07v	1.2v	5.5v	SOT-23-5	8.12mm	296-2752-1-ND	\$1.08	29	100mA, 0.2Ω ≥ CAP-ESR ≤10Ω, easy adjust
TPS77001_TI	2.7v	10v	0.035v	1.2v	5.5v	SOT-23-5	8.12mm	296-11043-1-ND	\$0.87	19	50mA, 0.2Ω ≥ CAP-ESR ≤10Ω, easy adjust
TPS79201_TI	2.6v	5.5v	0.06v	1.2v	5.5v	SOT-23-6	8.12mm	296-11868-1-ND	\$1.20	1,032	100mA, needs adjustable bypass capacitanc
TPS79301_TI	2.6v	5.5v	0.05v	1.2v	5.5v	SOT-23-6	8.12mm	296-11868-1-ND	\$0.88	5,089	200mA, needs adjustable bypass capacitanc