

TEXAS INSTRUMENTS Power Management ICs



Power Management

Texas Instruments

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STANDARD VOLTAGE REGULATORS (CONT.)

MOUSER STOCK NO.	Texas Instruments Part No.	Package	I _{out} (Max.) (A)	Input Voltage (V)		Output Voltage (V)		I _q (Typ.) (mA)	V _{do} (Typ.) (mV)	Price Each			
				Min.	Max.	Min.	Max.			1	10	100	1000
595-UA78L12ACLP	UA78L12ACLP	TO-92-3	14.5	27	11.4	12.6	0.1	6.5	2	.41	.347	.211	.163
595-UA78L12ACPK	UA78L12ACPK	SOT-89-3	14.5	27	11.4	12.6	0.1	6.5	2	.47	.394	.24	.185
595-TL780-12KCS	TL780-12KCS	TO-220-3	14.5	30	12	12	1.5	8	2.5	.82	.682	.44	.352
595-UA7812CKCS	UA7812CKCS	TO-220-3	14.5	30	12	12	1.5	8	2.5	.82	.682	.44	.352
595-UA7812CKTTR	UA7812CKTTR	TO-263-3	14.5	30	12	12	1.5	8	2.5	.86	.739	.568	.396
595-UA78L15ACLP	UA78L15ACLP	TO-92-3	17.5	30	14.25	15.75	0.1	6.5	2.5	.41	.347	.211	.163
595-UA78L15ACPKG3	UA78L15ACPKG3	SOT-89-3	17.5	30	14.25	15.75	0.1	6.5	2.5	.46	.354	.192	.144
595-TL780-15KCS	TL780-15KCS	TO-220-3	17.5	30	15	15	1.5	8	2.5	.82	.682	.44	.352
595-TL783CKCSE3	TL783CKCSE3	TO-220-3	21.5	150	1.25	125	0.7	-	20	1.91	1.62	1.30	.938

ADJUSTABLE VOLTAGE REGULATORS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Output Current (A)	Input Voltage Range (V)	Input-Output Voltage Differential (Max.) (V)	Output Voltage (V)		Regulation (Max.) (mV)		Price Each			
						Min.	Max.	Line	Load	1	10	100	1000
926-LP2951CSD/NOPB	LP2951CSD/NOPB	SOIC-8	0.1	-0.3 to 30	20	3.3	29	30	100	.89	.764	.587	.41
926-LM317LITPX/NOPB	LM317LITPX/NOPB	uSMD-6	0.1	-0.3 to 40	40	1.2	37	40	500	.83	.743	.58	.315
926-LM317LM/NOPB	LM317LM/NOPB	SOIC-8	0.1	4.2 to 40	40	1.2	37	40	500	.85	.71	.458	.366
926-LM317LMX/NOPB	LM317LMX/NOPB	SOIC-8	0.1	4.2 to 40	40	1.2	37	40	500	.70	.589	.38	.304
926-LM317LZ/NOPB	LM317LZ/NOPB	TO-92	0.1	4.2 to 40	40	1.2	37	40	500	.62	.518	.334	.267
926-LM337LM/NOPB	LM337LM/NOPB	SOIC-8	0.1	-4.2 to -40	40	-1.2	-37	70	1500	.82	.70	.538	.375
926-LM337LMX/NOPB	LM337LMX/NOPB	SOIC-8	0.1	-4.2 to -40	40	-1.2	-37	70	1500	.77	.645	.416	.333
926-LM337IMPX/NOPB	LM337IMPX/NOPB	SOT-223-3	0.1	-4.2 to -50	40	-3.7	-1.2	10	300	1.60	1.36	1.04	.732
926-LM723CN/NOPB	LM723CN/NOPB	DIP-14	0.15	9.5 to 40	40	2	37	0.1	0.2	.92	.772	.498	.398
926-LM317AMDT/NOPB	LM317AMDT/NOPB	TO-252	0.5	4.2 to 40	40	1.2	37	20	30	2.07	1.86	1.49	.878
926-LM317MDT/NOPB	LM317MDT/NOPB	TO-252	0.5	4.2 to 40	40	1.2	37	20	30	1.46	1.25	.961	.671
926-LM317AMDTX/NOPB	LM317AMDTX/NOPB	TO-252	0.5	4.2 to 40	40	1.2	37	0.01	0.5	1.72	1.55	1.24	.731
926-LM317AEMP/NOPB	LM317AEMP/NOPB	SOT-223	1	4.2 to 40	40	1.2	37	20	30	1.72	1.55	1.24	.731
926-LM317AEMPX/NOPB	LM317AEMPX/NOPB	SOT-223	1	4.2 to 40	40	1.2	37	20	30	1.72	1.55	1.24	.731
926-LM317EMP/NOPB	LM317EMP/NOPB	SOT-223	1	4.2 to 40	40	1.2	37	20	30	1.11	.955	.733	.512
926-LM317EMPX/NOPB	LM317EMPX/NOPB	SOT-223	1	4.2 to 40	40	1.2	37	20	30	1.11	.955	.733	.512
926-LM337IMP/NOPB	LM337IMP/NOPB	SOT-223	1	4.2 to 40	40	1.2	37	40	1000	1.60	1.36	1.04	.732
926-LM78S40CN/NOPB	LM78S40CN/NOPB	DIP-16	1.5	2.5 to 40	30	2.5	40	0.2	0.5	1.70	1.45	1.16	.837
926-LM78S40N/NOPB	LM78S40N/NOPB	DIP-16	1.5	2.5 to 40	30	2.5	40	0.2	0.5	2.11	1.80	1.44	1.03
926-LM117H/NOPB	LM117H/NOPB	TO-39	1.5	4.2 to 40	40	1.2	37	0.05	1	10.55	9.70	8.14	6.35
926-LM317AT/NOPB	LM317AT/NOPB	TO-220	1.5	4.2 to 40	40	1.2	37	20	30	1.61	1.45	1.16	.686
926-LM317S/NOPB	LM317S/NOPB	TO-263	1.5	4.2 to 40	40	1.2	37	20	30	1.56	1.32	1.06	.767
926-LM317SX/NOPB	LM317SX/NOPB	TO-263	1.5	4.2 to 40	40	1.2	37	20	30	1.56	1.32	1.06	.767
926-LM317T/NOPB	LM317T/NOPB	TO-220	1.5	4.2 to 40	40	1.2	37	20	30	1.59	1.36	1.04	.731
926-LM337T/NOPB	LM337T/NOPB	TO-220	1.5	4.2 to 40	40	1.2	37	40	1000	1.59	1.35	1.08	.782
926-LM317HVT/NOPB	LM317HVT/NOPB	TO-220	1.5	4.2 to 60	60	1.2	57	10	100	2.52	2.26	1.82	1.06
926-LM350AT/NOPB	LM350AT/NOPB	TO-220	3	4.2 to 35	35	1.2	33	10	300	2.80	2.38	2.06	1.47
926-LM350T/NOPB	LM350T/NOPB	TO-220	3	4.2 to 35	35	1.2	33	10	300	1.63	1.39	1.12	.804
926-LM338T/NOPB	LM338T/NOPB	TO-220	5	4.2 to 40	40	1.2	32	10	30	1.90	1.62	1.30	.935

PRECISION SHUNT REGULATORS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Output Current (mA)	Operating Voltage (V)	Operating Current (Typ.) (mA)	VREF (Max.) (V)		Accuracy (%)	Operating Temperature (°C)	Price Each			
						Min.	Max.			1	10	100	1000
926-LMV431AIM5/NOPB	LMV431AIM5/NOPB	SOT-23-5	-	1.24-30	0.055	1.228	1.252	1	-40 to +85	.58	.487	.314	.251
926-LMV431AIZ/NOPB	LMV431AIZ/NOPB	TO-92	-	1.24-30	0.055	1.228	1.252	1	-40 to +85	.60	.505	.326	.261
926-LMV431ACM5/NOPB	LMV431ACM5/NOPB	SOT-23-5	-	1.24-30	0.055	1.228	1.252	1	0 to 70	.58	.487	.314	.251
926-LMV431AIMF/NOPB	LMV431AIMF/NOPB	SOT-23-3	-	1.24-30	0.055	1.228	1.252	1	-40 to +85	.65	.542	.35	.28
926-LMV431BIMF/NOPB	LMV431BIMF/NOPB	SOT-23-3	-	1.24-30	0.055	1.234	1.246	0.5	-40 to +85	.97	.831	.639	.446
926-LM431ACM3/NOPB	LM431ACM3/NOPB	SOIC-8	100	36	1	2.44	2.55	1	0 to 70	.58	.484	.312	.25
926-LM431ACM3X/NOPB	LM431ACM3X/NOPB	SOT-23-3	100	36	1	2.44	2.55	1	0 to 70	.58	.484	.312	.25
926-LM431AIM3/NOPB	LM431AIM3/NOPB	SOT-23-3	100	36	1	2.44	2.55	1	-40 to +85	.61	.509	.31	.24
926-LM431BCM3/NOPB	LM431BCM3/NOPB	SOT-23-3	100	36	1	2.47	2.52	1	0 to 70	.60	.499	.322	.258
926-LM431BIM3/NOPB	LM431BIM3/NOPB	SOT-23-3	100	36	1	2.47	2.52	1	-40 to +85	.56	.471	.304	.243
926-LM431BIM3X/NOPB	LM431BIM3X/NOPB	SOT-23-3	100	36	1	2.47	2.52	1	-40 to +85	.56	.471	.304	.243
926-LM431CIM3/NOPB	LM431CIM3/NOPB	SOT-23-3	100	36	1	2.485	2.51	1	-40 to +85	.89	.744	.48	.384
926-LM3411M5-5.0NOPB	LM3411M5-5.0NOPB	SOT-23-5	15	5	15	4.95	5.05	1	-40 to +85	1.48	1.32	1.03	.563
926-LM3411M533NOPB	LM3411M5-3.3/NOPB	SOT-23-5	100	3.3	15	4.95	5.05	1	-	1.48	1.32	1.03	.563

DDR MEMORY TERMINATION REGULATOR

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Input Voltage Range (V)	Supply Current (uA)	I _o (Typ.) (uA)	Output Voltage Offset (Max.) (mV)	VREF Voltage (Max.) (V)			VREF Output Impedance (kΩ)	Output	Operating Temperature Range (°C)	Price Each			
							DDR I	DDR II	DDR III				1	10	100	1000
595-LP2998QMR/NOPB	LP2998QMR/NOPB	SO-8 PowerPAD	2.2 to 5.5	320	320	30	1.185	0.887	0.699	2.5	VTT, VREF	-40 to +125	2.13	1.92	1.54	.906

SUPERVISORY CIRCUITS - VOLTAGE

MOUSER STOCK NO.	Texas Instruments Part No.	Package	No. of Supervisors	Supply Voltage (Max.) (V)	V _{it1} (Typ.)	V _{it2} (Typ.)	V _{it3} (Typ.)	Input Voltage (V)		Supply Current (Max.) (uA)	Price Each			
								Min.	Max.		1	10	100	1000
595-TPS3126E12DBVT	TPS3126E12DBVT	SOT-23-5	1	3.3	1.14	-	-	0.75	3.3	25	2.38	2.14	1.72	1.01
595-TPS3103E12DBVR	TPS3103E12DBVR	SOT-23-6	1	3.3	1.142	-	-	0.4	3.3	3	2.38	2.14	1.72	1.01
595-TPS3126E15DBVT	TPS3126E15DBVT	SOT-23-5	1	3.3	1.43	-	-	0.75	3.3	25	2.38	2.14	1.72	1.01
595-TPS3126E18DBVT	TPS3126E18DBVT	SOT-23-5	1	3.3	1.71	-	-	0.75	3.3	25	2.38	2.14	1.72	1.01
595-TPS3103K33DBVR	TPS3103K33DBVR	SOT-23-6	1	3.3	2.941	-	-	0.4	3.3	3	2.38	2.14	1.72	1.01
595-TPS3802K33DCKR	TPS3802K33DCKR	SC-70-5	1	4	2.93	-	-	1.6	4	18	1.18	1.06	.828	.45
595-TPS3823-30DBVR	TPS3823-30DBVR	SOT-23-5	1	5.5	2.63	-	-	1.1	5.5	25	1.61	1.37	1.05	.737
595-TPS3600D33PW	TPS3600D33PW	TSSOP-14	1	5.5	2.93	-	-	1.65	5.5	40	6.42	5.80	4.80	3.37
595-TPS3619-33DGK	TPS3619-33DGK	MSOP-8	1	5.5	2.93	-	-	1.65	5.5	40	2.67	2.27	1.97	1.40
595-TPS3620-33DGKR	TPS3620-33DGKR	MSOP-8	1	5.5	2.93	-	-	1.65	5.5	40	2.92	2.62	2.10	1.23
595-TPS3620-33DGKT	TPS3620-33DGKT	MSOP-8	1	5.5	2.93	-	-	1.65	5.5	40	3.09	2.78	2.28	1.46
595-TPS3820-33DBVT	TPS3820-33DBVT	SOT-23-5	1	5.5	2.93	-	-	1.1	5.5	25	1.61	1.37	1.10	.794
595-TPS3823-33DBVR	TPS3823-33DBVR	SOT-23-5	1	5.5	2.93	-	-	1.1	5.5	25	1.61	1.37	1.05	.737
595-TPS3823-33QDBVRQ1	TPS3823-33QDBVRQ1	SOT-23-5	1	5.5	2.93	-	-	1.1	5.5	15	1.67	1.42	1.14	.823
595-TPS3823A-33DBVT	TPS3823A-33DBVT	SOT-23-5	1	5.5	2.93	-	-	1.1	5.5	15	1.50	1.2		