

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	Iout (Max.) (A)	Input Voltage (V)		Output Voltage (V)		Iq (Typ.) (mA)	Vdo (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	-37	-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	LM3411M5-5.0/NOPB	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)	Vit1 (Typ.)	Vit2 (Typ.)	Vit3 (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	1.28	1.02	.739
595-TPS														