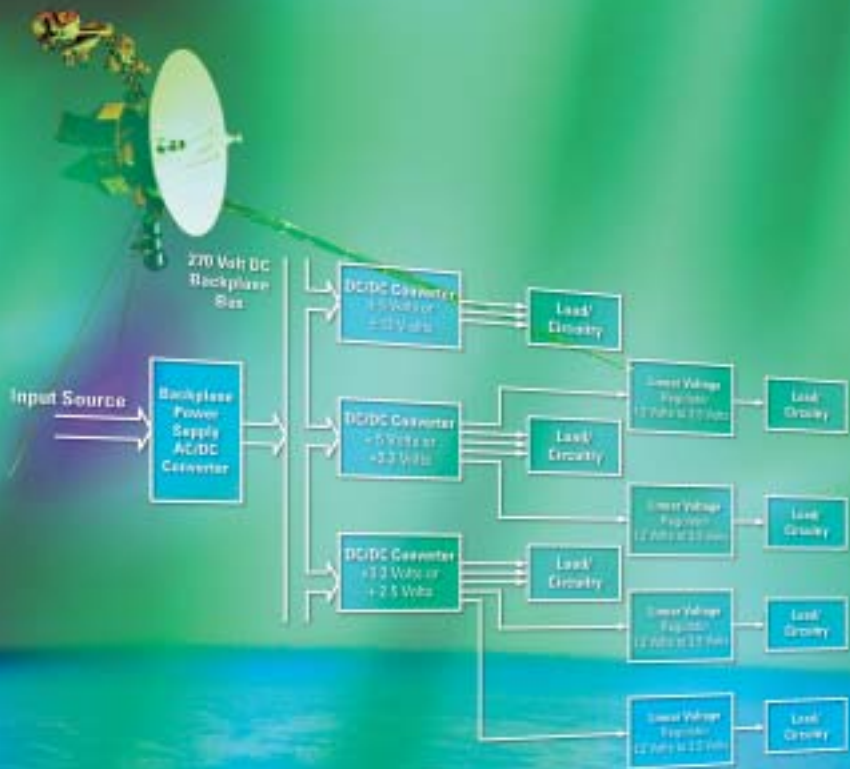


# Hi-Rel Linear Voltage Regulators

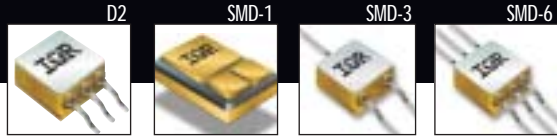
## SELECTOR GUIDE



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International  
**IR** Rectifier  
HI-REL PRODUCTS

## Fixed Voltage Regulators



Part Number	SMD Part Number	V <sub>OUT</sub> (V)	I <sub>OUT</sub> (A)	V <sub>IN</sub> (V)	DSCC Drawing	Avail. Package Suffixes	Similar to Industry Standard
OM7805N	OM1805N	5	0.5	7.5 to 25	5962-8778201	2	LM7805A/833
OM7805S,N	OM1805S,N	5	1.5	7.5 to 25	5962-8778201	5,T,R,M,K	LM7805A/883
OM7639S	—	5	1.5	7.5 to 25	—	M	—
OM7662S	—	5	3	7.5 to 25	—	T,C	—
OM7812N	OM1812N	12	0.5	14.5 to 30	5962-8777601	2	LM7812A/883
OM7812N	OM1812N	12	1.5	14.5 to 30	5962-8777601	5	LM7812A/883
OM7812S	OM1812S	12	1.5	14.5 to 30	5962-8777601	M,T,R,K	LM7812A/883
OM7630N	—	12	1.5	14.5 to 30	—	M	—
OM7640S	—	12	1.5	14.5 to 30	—	M	—
OM7663S	—	12	3	14.5 to 30	—	T,C	—
—	OM1815N	15	0.5	17.5 to 30	5962-8855301	2	LM7815A/883
—	OM1815N	15	1.5	17.5 to 30	5962-8855301	5	LM7815A/883
OM7815S	OM1815S	15	1.5	17.5 to 30	5962-8855301	M,T,R,K	LM7815A/883
OM7641S	—	15	1.5	17.5 to 30	—	M	LM7815A
—	OM1815N	15	1.5	17.5 to 30	5962-8855301	T,K,M	LM7815A/883
OM7631N	—	15	1.5	17.5 to 30	—	M	—
OM7664S	—	15	3	17.5 to 30	—	T,C	—
—	OM1905N	-5	0.5	-7 to -25	5962-8874601	2	LM7905A/883
OM7905S	—	-5	0.5	-7 to -25	—	M	LM7905A
—	OM1905N	-5	1.5	-7 to -25	5962-8874601	5,M	LM7905A/883
OM7632N	—	-5	1.5	-7 to -25	—	M	—
—	OM1905S	-5	1.5	-7 to -25	5962-8874601	M,R,T	LM7905A/883
OM7642S	—	-5	1.5	-7 to -25	—	M	—
—	OM1905N	-5	1.5	-7 to -25	5962-8874601	K,T	LM7905A/883
OM7608S	—	-5	3	-7 to -30	—	R,T,C	—
—	OM1912N	-12	0.5	-14.5 to -30	5962-8874701	2	LM7912A/883
OM7912S	OM1912S	-12	1.5	-14.5 to -30	5962-8874701	R,M,T	LM7912A/883
—	OM1912N	-12	1.5	-14.5 to -30	5962-8874701	5,M	LM7912A/883
OM7633N	—	-12	1.5	-14.5 to -30	—	M	—
—	OM1912S	-12	1.5	-14.5 to -30	5962-8874701	M,T	LM7912A/883
OM7643S	—	-12	1.5	-14.5 to -30	—	M	—
—	OM1912N	-12	1.5	-14.5 to -30	5962-8874701	K,T	LM7912A/883
OM7609S	—	-12	3	-14.5 to -30	—	R,T,C	—
—	OM1915N	-15	0.5	-17.5 to -30	5962-8874801	2	LM7915A/883
OM7915S	OM1915S	-15	1.5	-17.5 to -30	5962-8874801	R,T,M	LM7915A/883
—	OM1915N	-15	1.5	-17.5 to -30	5962-8874801	5,M,T,K	LM7915A/883
OM7634N	—	-15	1.5	-17.5 to -30	—	M	—
OM7644S	—	-15	1.5	-17.5 to -30	—	M	LM7915A
OM7610S	—	-15	3	-17.5 to -30	—	R,T,C	—

LCC-20

LCC-28

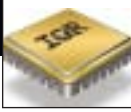
TO-257

TO-258

TO-205

TO-204

MO-



## Adjustable Voltage Regulators

Part Number	SMD Part Number	Adj $V_{OUT}$ (V)	$I_{OUT}$ (A)	$V_{IN}$ (V)	DSCC Drawing	Avail. Package Suffixes	Similar to Industry Standard
—	OM3910S,N	1.2 to 33	3	4.25 to 36	5962-8767501	5,R,T	LM150/883
OM7604S	—	1.2 to 33	3	4.25 to 36	—	T	—
—	OM3911S,N	1.2 to 33	3	4.25 to 36	5962-8767502	T	LM150A/883
OM7628N	—	1.2 to 33	3	4.25 to 36	—	M	—
OM7637S	—	1.2 to 33	3	4.25 to 36	—	M	—
—	OM1320N	1.2 to 37	0.5	4.25 to 41.25	77034	2	LM117/883
—	OM1324N	1.2 to 37	0.5	4.25 to 41.25	77034	2	LM117A/883
OM7602S,N	—	1.2 to 37	0.5	4.25 to 41.25	—	M,2	—
—	OM1320S,N	1.2 to 37	1.5	4.25 to 41.25	77034	R,T,K	LM117
—	OM1324S,N	1.2 to 37	1.5	4.25 to 41.25	77034	T,M	LM117A/883
OM7626N	—	1.2 to 37	1.5	4.25 to 41.25	—	M	—
OM7635S	—	1.2 to 37	1.5	4.25 to 41.25	—	M	—
—	OM1321S,N	1.2 to 57	0.5	4.25 to 61.25	77034	2,R,T	LM117HV/883
—	OM1326N	1.2 to 57	0.5	4.25 to 61.25	77034	2	LM117AHV/883
OM7620S	—	1.2 to 57	0.5	4.25 to 61.25	—	M	—
OM7620S	OM1321S	1.2 to 57	1.5	4.25 to 61.25	77034	T,M	LM117HV/883
OM7620N	OM1321N	1.2 to 57	1.5	4.25 to 61.25	77034	T,M,K	LM117HV/883
—	OM1326S	1.2 to 57	1.5	4.25 to 61.25	77034	T,M,R	LM117AHV/883
—	OM1326N	1.2 to 57	1.5	4.25 to 61.25	77034	T,K,M,H	LM117AHV/883
OM7646S	—	1.2 to 57	1.5	4.25 to 61.25	—	M	LM117HV/883
OM7611S	OM3914S	-1.2 to -15	3	-4.25 to -36	5962-87741	R,T	LT1033/883
—	OM3914N	-1.2 to -15	3	-4.25 to -36	5962-87741	T,K	LT1033/883
OM7627N	—	-1.2 to -15	3	-4.25 to -36	—	M	—
OM7638S	—	-1.2 to -15	3	-4.25 to -36	—	M	—
—	OM1322N	-1.2 to -37	0.5	-4.25 to -41.25	77034	2	LM137/883
—	OM1325N	-1.2 to -37	0.5	-4.25 to -41.25	77034	2	LM137/883
OM7603S	—	-1.2 to -37	1	-4.25 to -41.25	—	M	LM137
OM7612S	—	-1.2 to -37	1	-4.25 to -41.25	—	M	LM137
OM7603S	OM1322S	-1.2 to -37	1.5	-4.25 to -41.25	77034	T,R,M	LM137/883
OM7603N	OM1322N	-1.2 to -37	1.5	-4.25 to -41.25	77034	T,K,M,	LM137/883
—	OM1325S	-1.2 to -37	1.5	-4.25 to -41.25	77034	T,R,M	LM137A/883
—	OM1325N	-1.2 to -37	1.5	-4.25 to -41.25	77034	T,K,M	LM137A/883
OM7625N	OM1322N	-1.2 to -37	1.5	-4.25 to -41.25	77034	M	LM137/883
OM7636S	—	-1.2 to -37	1.5	-4.25 to -41.25	—	M	LM137A
—	OM1323N	-1.2 to -47	0.5	-4.25 to -51.25	77034	2	LM137HV/883
—	OM1327N	-1.2 to -47	0.5	-4.25 to -51.25	77034	2	LM137AHV/883
OM7612S	OM1323S	-1.2 to -47	1.5	-4.25 to -51.25	77034	T,R,M	LM137HV/883
OM7612N	OM1323N	-1.2 to -47	1.5	-4.25 to -51.25	77034	T,K,M	LM137HV/883
—	OM1327S	-1.2 to -47	1.5	-4.25 to -51.25	77034	T,R,M	LM137AHV/883
—	OM1327N	-1.2 to -47	1.5	-4.25 to -51.25	77034	T,K,M	LM137AHV/883
OM7647SM	—	-1.2 to -47	1.5	-4.25 to -51.25	—	M	—
—	OM7585AS	1.8 to 5.5	5	7	5962-0323703	T,R	—
—	OM7585AN	1.8 to 5.5	5	7	5962-0323703	M	—



## Low Dropout Fixed Voltage Regulators

Part Number	SMD Part Number	V <sub>OUT</sub> (V)	V <sub>DO @ I<sub>OUT</sub></sub> (V)	V <sub>IN</sub> (V)	DSCC Drawing	Avail. Package Suffixes	Similar to Industry Standard
—	OM3958N	3.3	1.5 @ 2.6A	4.75 to 20	5962-99531	5	LT1085-3.3/883
OM7670N	—	3.3	1.5 @ 0.75A	4.75 to 20	—	M	—
—	OM3957N	3.3	1.5 @ 1.3A	4.75 to 20	5962-98590	5	LT1086-3.3/883
OM7670S	OM3957S	3.3	1.5 @ 1.3A	4.75 to 20	5962-98590	R,T,M	LT1086-3.3/883
OM7670N	OM3957N	3.3	1.5 @ 1.3A	4.75 to 20	5962-98590	M,K	LT1086-3.3/883
OM7671S	OM3958S	3.3	1.5 @ 2.6A	4.75 to 20	5962-99531	R,T,M	LT1085-3.3/883
OM7671N	OM3958N	3.3	1.5 @ 2.6A	4.75 to 20	5962-99531	M	LT1085-3.3/883
OM2940-5S	—	5	0.5 @ 0.5A	8 to 20	—	M	LM2940-5
—	OM2940-5S	5	0.5 @ 1A	8 to 20	5962-89587	R,5,T	LM2940-5/883
OM7648S	—	5	0.5 @ 1A	8 to 20	—	M	LM2940-5
OM186-5N	—	5	1 @ 0.5A	8 to 20	—	M	LT1086-5
OM185-5S	—	5	1 @ 2A	8 to 20	—	M,R,T	LT1085-5
OM186-5S	—	5	1.5 @ 1.5A	8 to 20	—	R,T,M	LT1086-5
OM184-5S	—	5	1.5 @ 5A	8 to 20	—	C	LT1085-5
OM183-5S	—	5	1.5 @ 7.5A	8 to 20	—	C	LT1083-5
OM2940-12S	—	12	0.5 @ 0.5A	14.75 to 26	—	M	LM2940-12
—	OM2940-12S	12	0.5 @ 1A	14.75 to 26	5962-90884	R,T,M	LM2940-12/883
OM7649S	—	12	0.5 @ 1A	14.75 to 26	—	M	—
OM186-12M	—	12	1 @ 0.5A	14.75 to 26	—	M	LT1086-12
OM185-12N	—	12	1 @ 1A	14.75 to 25	—	M	LT1085-12
—	OM2940-12N	12	1 @ 1A	14.75 to 26	5962-90884	5	LM2940-12/883
OM186-12S	—	12	1.5 @ 1.5A	14.75 to 25	—	T	LT1086-12
OM185-12S	—	12	1.5 @ 3A	14.75 to 25	—	T	LT1085-12
OM184-12S	—	12	1.5 @ 5A	14.75 to 25	—	C	LT1084-12
OM183-12S	—	12	1.5 @ 7.5A	14.75 to 25	—	C	LT1083-12
OM2940-15S	—	15	0.5 @ 0.5A	17.75 to 26	—	M	LM2940-15
OM7650S	—	15	0.5 @ 1A	17.75 to 25	—	M	—
—	OM2940-15N	15	0.5 @ 1A	17.75 to 26	5962-90885	5	LM2940-15/883
—	OM2940-15S	15	0.5 @ 1A	17.75 to 26	5962-90885	R,T	LM2940-15/883
OM186-15N	—	15	1 @ 0.5A	17.75 to 25	—	M	LT1086-15
OM185-15N	—	15	1 @ 3A	17.75 to 25	—	M	LT1085-15
OM186-15S	—	15	1.5 @ 1.5A	17.75 to 25	—	T	LT1086-15
OM184-15S	—	15	1.5 @ 5A	17.75 to 25	—	C	LT1084-15
OM183-15S	—	15	1.5 @ 7.5A	17.75 to 25	—	C	LT1083-15
OM185-15S	—	15	1.5V @ 3A	17.75 to 25	—	T	LT1085-15
OM2990-5N	—	-5	0.6 @ 0.3A	+0.3 TO -26	—	2	LM2990-5
—	OM2990-5S	-5	0.6 @ 0.3A	+0.3 TO -26	5962-95711	R,T	LM2990-5/883
OM2990-5N	—	-5	0.6 @ 0.5A	+0.3 TO -26	—	M,K,T	LM2990-5

## Low Dropout Fixed Voltage Regulators, continued

Part Number	SMD Part Number	V <sub>OUT</sub> (V)	V <sub>DO @ I<sub>OUT</sub></sub> (V)	V <sub>IN</sub> (V)	DSCC Drawing	Avail. Package Suffixes	Similar to Industry Standard
OM2990-5S	—	-5	0.6 @ 0.3A	+0.3 TO -26	—	M	LM2990-5
OM2990-5.2N	—	-5.2	0.6 @ 0.3A	+0.3 TO -26	—	2	LM2990-5.2
—	OM2990-5.2S	-5.2	0.6 @ 0.3A	+0.3 TO -26	5962-95711	R,T	LM2990-5.2/883
OM2990-5.2S	—	-5.2	0.6 @ 0.3A	+0.3 TO -26	—	M	LM2990-5.2
OM2990-5.2N	—	-5.2	0.6 @ 1A	+0.3 TO -26	—	M,K,T	LM2990-5.2
OM2990-12N2	—	-12	0.6 @ 0.3A	+0.3 TO -26	—	2	LM2990-12
—	OM2990-12S	-12	0.6 @ 0.3A	+0.3 TO -26	5962-97510	R,T	LM2990-12/883
OM2990-12S	—	-12	0.6 @ 0.3A	+0.3 TO -26	—	M	LM2990-12
OM2990-12N	—	-12	0.6 @ 1A	+0.3 TO -26	—	M,K,T	LM2990-12
—	OM2990-15S	-15	0.6 @ 0.3A	+0.3 TO -26	5962-95709	R,T	LM2990-15/883
OM2990-15S	—	-15	0.6 @ 0.3A	+0.3 TO -26	—	M	LM2990-15
OM2990-15N	—	-15	0.6 @ 1A	+0.3 TO -26	—	M,K,T	LM2990-15
OM2990-15N	—	-15	0.6 @ 0.3A	+0.3 TO -26	—	2	LM2990-15

## Low Dropout Adjustable Voltage Regulators

Part Number	SMD Part Number	Adj. V <sub>OUT</sub> (V)	V <sub>DO @ I<sub>OUT</sub></sub> (V)	V <sub>IN</sub> (V)	DSCC Drawing	Avail. Package Suffixes	Similar to Industry Standard
OM71587S	—	2.5 to 3.6	1.2 @ 3A	3.9 to 7	—	R,T	—
OM71585S	—	2.5 to 3.6	1.2 @ 4.6A	3.9 to 7	—	R,T	—
OM71584S	—	2.5 to 3.6	1.2 @ 6A	3.9 to 7	—	R,T	—
OM186S	OM1860S	3.3 to 15	1.5 @ 1.5A	5 to 25	5962-89981	R,T,K,H	LT1086/883
OM186S	—	3.3 to 15	1.5 @ 1.5A	5 to 25	—	M	LT1086/883
OM7624N	—	3.3 to 15	1.5 @ 1.5A	5 to 25	—	M	—
—	OM1860N	3.3 to 15	1.5 @ 1.5A	5 to 25	5962-89981	5	LT1086/883
—	OM1850N	3.3 to 15	1.5 @ 3A	5 to 25	5962-88646	5	LT1085/883
OM185S	OM1850S	3.3 to 15	1.5 @ 3A	5 to 25	5962-88646	R,T,M	LT1085/883
—	OM1850N	3.3 to 15	1.5 @ 3A	5 to 25	5962-88646	K,M	LT1085/883
OM7623N	—	3.3 to 15	1.5 @ 3A	5 to 25	—	M	—
—	OM1840S	3.3 to 15	1.5 @ 5A	5 to 25	5962-89521	C	LT1084/883
—	OM1840N	3.3 to 15	1.5 @ 5A	5 to 25	5962-89521	C,K	LT1084/883
OM7622NM	—	3.3 to 15	1.5 @ 5A	5 to 25	—	M	—
OM183S	OM1830S	3.3 to 15	1.5 @ 7.5A	5 to 25	5962-89520	C	LT1083/883
OM183N	OM1830N	3.3 to 15	1.5 @ 7.5A	5 to 25	5962-89520	C	LT1083/883
OM7621N	—	3.3 to 15	1.5 @ 7.5A	5 to 25	—	M	—

## Ultra Low Dropout Positive Fixed Regulators

Part Number	V <sub>OUT</sub> (V)	V <sub>IN</sub> (V)	V <sub>DO</sub> @ I <sub>OUT</sub> (V)	Avail. Package Suffixes	Similar to Industry Standard
OM8500S	1.8	3.3	1.1 @ 3A	C,F	—
OM8501S	2.5	3.3	0.4 @ 3A	C,F	—
OM8507S	2.5	5	0.4 @ 3A	C,F	—
OM8508S	3.3	5	0.4 @ 3A	C,F	—

## Ultra Low Dropout Positive Adjustable Regulators

Part Number	Adj. V <sub>OUT</sub> (V)	V <sub>IN</sub> (V)	V <sub>DO</sub> @ I <sub>OUT</sub> (V)	Avail. Package Suffixes	Similar to Industry Standard
OM8504S	1.26 to 3.2	2.95 to 3.6	0.4 @ 3A	C,F	—
OM8505S	4.1 to 5.1	4.5 to 5.5	0.4 @ 3A	C,F	—
OM7764AS	1.22 to 20	2.7 to 20	0.34 @ 3A	M,C	5962-0323801M_A
OM7580S	1.8 to 5.5	6	0.54 @ 7A	M,C	5962-0323701M_A
OM7581S	1.8 to 5.5	6	0.43 @ 10A	M,C	5962-0323702M_A

## Dual Fixed Voltage Regulators

Part Number	SMD Number	V <sub>OUT</sub> (V)	I <sub>OUT</sub> (A)	V <sub>IN</sub> (V)	DSCC Drawing	Avail. Package Suffixes	Similar to Industry Standard
OM7516S	—	+12 / -12	1	-25 to +25	—	M	—
OM7517S	—	+12 / -15	1	-25 to +25	—	M	—
OM7515S	—	+12 / -5	1	-25 to +25	—	M	—
OM7519S	—	+15 / -12	1	-25 to +25	—	M	—
OM7520S	—	+15 / -15	1	-25 to +25	—	M	—
OM7518S	—	+15 / -5	1	-25 to +25	—	M	—
OM7514S	—	+5 / -15	1	-25 to +25	—	M	—
OM7513S	—	+5 / -12	1	-25 to +25	—	M	—
OM7512S	—	+5 / -5	1	-25 to +25	—	M	—
OM7505S	OM3905S	-12 / +12	1.5	-30 to +25	5962-89490	C	—
OM7505S	—	-12 / +12	1.5	-30 to +25	—	M	—
OM7508S	OM3908S	-12 / +15	1.5	-30 to +30	5962-89490	C	—
OM7508S	—	-12 / +15	1.5	-30 to +30	—	M	—
OM7502S	OM3902S	-12 / +5	1.5	-25 to +25	5962-89490	C	—
OM7502S	—	-12 / +5	1.5	-25 to +25	—	M	—
OM7506S	OM3906S	-15 / +12	1.5	-30 to +30	5962-89490	C	—
OM7506S	—	-15 / +12	1.5	-30 to +30	—	M	—
OM7509S	OM3909S	-15 / +15	1.5	-30 to +30	5962-89490	C	—
OM7509S	—	-15 / +15	1.5	-30 to +30	—	M	—
OM7503S	OM3903S	-15 / +5	1.5	-30 to +25	5962-89490	C	—
OM7503S	—	-15 / +5	1.5	-30 to +25	—	M	—
OM7504S	OM3904S	-5 / +12	1.5	-25 to +30	5962-89490	C	—
OM7504S	—	-5 / +12	1.5	-25 to +30	—	M	—
OM7507S	OM3907S	-5 / +15	1.5	-25 to +30	5962-89490	C	—
OM7507S	—	-5 / +15	1.5	-25 to +30	—	M	—
OM7501S	OM3901S	-5 / +5	1.5	-25 to +25	5962-89490	C	—
OM7501S	—	-5 / +5	1.5	-25 to +25	—	M	—

### DUAL ADJUSTABLE VOLTAGE REGULATORS

OM7654S	—	-47 to 57	1.5	-51.25 to 61.25	—	M	—
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## Radiation Tolerant Fixed Voltage Regulators

Part Number	SMD Number	V <sub>OUT</sub> (V)	I <sub>OUT</sub> (A)	Rad Level Krad (Si)	DSCC Drawing	Avail. Package Suffixes	Similar to Industry Standard
OMR186-3.3N	—	3.3	1.5	30	—	H,M	LT1086-3.3
OMR186-3.3S	—	3.3	1.5	30	—	R	LT1086-3.3
OMR186-3.3S	OMR3957S	3.3	1.5	30	5962P98590	T	LT1086-3.3/883
OMR185-3.3N	—	3.3	3	30	—	M	LT1085-3.3
OMR185-3.3S	—	3.3	3	30	—	R	LT1085-3.3
OMR185-3.3S	OMR3958ST	3.3	3	30	5962P99531	T	LT1085-3.3/883
OMR7805N	—	5	0.5	300	—	H,M	LM7805A
OMR7805S	—	5	0.5	300	—	R	LM7805A
OMR7805S	OMR1805S	5	0.5	300	5962F87782	T	LM7805A
OMR185-5N	—	5	1	50	—	M	LT1085-5
OMR185-5S	—	5	3	50	—	R,T	LT1085-5
OMR7812N	—	12	0.5	300	—	H,M	LM7812A
OMR7812S	—	12	0.5	300	—	R	LM7812A
OMR7812S	OMR1812S	12	0.5	300	5962F87776	T	LM7812A/883
OMR7815N	OMR1815N	15	0.5	300	—	H,M	LM7815A
OMR7815S	—	15	0.5	300	—	R,T	LM7815A
OMR7815S	OMR1815S	15	0.5	300	5962F88553	T	LM7815A/883
OMR7905N	—	-5	0.5	300	—	H,M,R	LM7905A
OMR7905S	OMR1905S	-5	0.5	300	5962F88746	T	LM7905A/883
OMR7912N	—	-12	0.5	300	—	H,M	LM7912A
OMR7912S	OMR1912S	-12	0.5	300	—	R	LM7912A
OMR7912S	OMR1912S	-12	0.5	300	5962F88747	T	LM7912A/883
OMR7915N	—	-15	0.5	300	—	H,M	LM7912A
OMR7915S	—	-15	0.5	300	—	R	LM7912A
OMR7915S	OMR1915S	-15	0.5	300	5962F88748	T	LM7912A/883

## Radiation Tolerant Adjustable Voltage Regulators

Part Number	SMD Number	Adj. V <sub>OUT</sub> (V)	I <sub>OUT</sub> (A)	Rad Level Krad (Si)	DSCC Drawing	Avail. Package Suffixes	Similar to Industry Standard
OMR150N	OMR3911N	1.2 to 33 ±1 %	3	100	—	M	LM150A
OMR150S	OMR3911S	1.2 to 33 ±1 %	3	100	—	R	LM150A
OMR150S	OMR3911S	1.2 to 33 ±1 %	3	100	5962R87675	T	LM150A
OMR117AHVN	OMR1326N	1.2 to 57 ±1 %	1.5	100	—	H,M	LM117AHV
OMR117AHVS	OMR1326S	1.2 to 57 ±1 %	1.5	100	—	R	LM117AHV

## Radiation Tolerant Adjustable Voltage Regulators, continued

Part Number	SMD Number	Adj. $V_{OUT}$ (V)	$I_{OUT}$ (A)	Rad Level Krad (Si)	DSCC Drawing	Avail. Package Suffixes	Similar to Industry Standard
OMR117AHVS	OMR1326S	1.2 to 57 $\pm 1\%$	1.5	100	5962R77034	T	LM117AHV/883
OMR117HVN	OMR1321N	1.2 to 57 $\pm 2\%$	1.5	100	—	H,M	LM117HV
OMR117HVS	OMR1321S	1.2 to 57 $\pm 2\%$	1.5	100	-	R	LM117HV
OMR117HVS	OMR1321S	1.2 to 57 $\pm 2\%$	1.5	100	5962R77034	T	LM117HV/883
OMR186N	OMR1860N	3.3 to 15	1.5	50	—	H,M	LT1086
OMR186S	OMR1860S	3.3 to 15	1.5	50	—	R	LT1086
OMR186S	OMR1860S	3.3 to 15	1.5	50	5962R89981	T	LT1086/883
OMR185N	OMR1850N	3.3 to 15	3	50	—	M	LT1085
OMR185S	OMR1850S	3.3 to 15	3	50	—	R	LT1085
OMR185S	OMR1850S	3.3 to 15	3	50	5962R88646	T	LT1085/883
OMR184N	OMR1840N	3.3 to 15	5	100	—	M	LT1084
OMR184S	OMR1840S	3.3 to 15	5	100	5962R89521	C	LT1084/883
OMR183N	OMR1830N	3.3 to 15	7.5	100	—	M	LT1083
OMR183S	OMR1830S	3.3 to 15	7.5	100	5962R89520	C	LT1083/883
OMR1033N	OMR3914N	-3 to -15	3	20	—	M	LT1033
OMR1033S	OMR3914S	-3 to -15	3	20	—	R	LT1033
OMR1033S	OMR3914S	-3 to -15	3	20	5962P87741	T	LT1033/883
—	OMR3914N	-3 to -15	3	20	—	K	LT1033

## 200k RAD-Hard ULDO Positive Fixed Regulators

Part Number	$V_{OUT}$ (V)	$V_{IN}$ (V)	$V_{DO}$ @ $I_{OUT}$ (V)	Rad Level Krad (Si)	Avail. Package Suffixes	Similar to Industry Standard
OMR9800S	1.8	3.3	1.1 @ 3A	200	C,F	—
OMR9801S	2.5	3.3	0.4 @ 3A	200	C,F	—
OMR9807S	2.5	5	0.4 @ 3A	200	C,F	—
OMR9808S	3.3	5	0.4 @ 3A	200	C,F	—

## 200k RAD-Hard ULDO Positive Adjustable Regulators

Part Number	Adj. $V_{OUT}$ (V)	$V_{IN}$ (V)	$V_{DO}$ @ $I_{OUT}$ (V)	Rad Level Krad (Si)	Avail. Package Suffixes	Similar to Industry Standard
OMR9804S	1.26 to 3.2	2.95 to 3.6	0.4 @ 3A	200	C,F	—
OMR9805S	4.1 to 5.1	4.5 to 5.5	0.4 @ 3A	200	C,F	—



## 1M RAD-Hard ULDO Positive Fixed Regulators

Part Number	V <sub>OUT</sub> (V)	V <sub>IN</sub> (V)	V <sub>DO</sub> @ I <sub>OUT</sub> (V)	Rad Level Krad (Si)	Avail. Package Suffixes	Similar to Industry Standard
OMR9600S	1.8	3.3	1.1 @ 3A	1000	C,F	—
OMR9601S	2.5	3.3	0.4 @ 3A	1000	C,F	—
OMR9607S	2.5	5	0.4 @ 3A	1000	C,F	—
OMR9608S	3.3	5	0.4 @ 3A	1000	C,F	—

## 1M RAD-Hard ULDO Positive Adjustable Regulators

Part Number	Adj. V <sub>OUT</sub> (V)	V <sub>IN</sub> (V)	V <sub>DO</sub> @ I <sub>OUT</sub> (V)	Rad Level Krad (Si)	Avail. Package Suffixes	Similar to Industry Standard
OMR9604S	1.26 to 3.2	2.95 to 3.6	0.4 @ 3A	1000	C,F	—
OMR9605S	4.1 to 5.1	4.5 to 5.5	0.4 @ 3A	1000	C,F	—

## MIL-STD-883 Screening Requirements

TEST/INSPECTION	SCREENING LEVEL		MIL-STD-883 Method
	Level B	Level S	
Non-destructive bond pull	—	100%	2023
Internal visual inspection	100%	100%	2010, condition B for class level B 2010, condition A for class level S
Temperature cycling	100%	100%	1010, condition C
Constant acceleration	100%	100%	2001, condition E
External visual inspection	100%	100%	
P.I.N.D	—	100%	2020, condition A for class level S
Serialization	—	100%	
Preburn-in electrical parameters	100%	100%	
Burn-in	100%	100%	1015
	160 hours	240 hours	
Interim electrical parameters	—	100%	
High Temperature Reverse Bias (HTRB)	—	100%	1015, condition A or C
		72 hours	
Interim electrical parameters	100%	100%	
Percent defective allowable (PDA) calculation	5%	5%	
Final electrical test			
Static @ 25°C	100%	100%	
Static @ min and max temps	100%	100%	
Switching test @ 25°C	100%	100%	
Hermetic seal (fine and gross leak)	100%	100%	1014
Radiography	—	100%	2012
External visual inspection	100%	100%	2009

## Linear Voltage Regulator Nomenclature

**OM R 7805 C S T M**

### PREFIX

### PROCESS IDENTIFICATION

R – Radiation Tolerant, Radiation Hardened  
Blank – Standard Process

### DEVICE NUMBER

### SEALS

C – Ceramic  
No Suffix – Glass

### ISOLATED/NON-ISOLATED

S – Isolated  
N – Non-isolated

### PREFIX

OM – Omnirel product

### SCREENING

M,S – MIL-PRF 38535  
P – Minimal Screening  
X – Custom Screening  
1,2,3 – Screening per Omnirel process flow

*Note: if no screening level is specified at the time of order, level P will be assumed.*

### PACKAGE DESIGNATOR

A – TO-254AA	M – SMD-1, 3, 6, LCC-28
C – TO-258AA, MO-078AA	R – D2
F – Flat Pack	T – TO-257AA
H – TO-205 (TO-39)	2 – LCC-20
K – TO-204AA (TO-3)	5 – TO-276AA (SMD-0.5)

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