



Devices, Inc.

HYBRID VOLTAGE REGULATORS

PRODUCT CATALOG

3 AMP/5 AMP TYPES

FIXED OUTPUT VOLTAGE REGULATORS IN 2 PIN TO-3 CASE

Solitron Part No.	3 AMP Load Regulation Output Current		Solitron Part No.	5 AMP Load Regulation Output Current		3A/5A Line Regulation Input Voltage		3A/5A Output Voltage -55°C to + 125°C		Regulation %
	Min	Max		Min	Max	Min	Max	Min	Max	
CJSE 039	0.01	3.0	CJSE 074	0.01	5.0	28	40	23.28	24.72	3
CJSE 040	0.01	3.0	CJSE 075	0.01	5.0	28	40	23.52	24.48	2
CJSE 041	0.01	3.0	CJSE 076	0.01	5.0	28	40	23.76	24.24	1
CJSE 048	0.01	3.0	CJSE 077	0.01	5.0	— 28	— 40	— 23.28	— 24.72	3
CJSE 049	0.01	3.0	CJSE 078	0.01	5.0	— 28	— 40	— 23.52	— 24.48	2
CJSE 050	0.01	3.0	CJSE 079	0.01	5.0	— 28	— 40	— 23.76	— 24.24	1
CJSE 009	0.01	3.0	CJSE 080	0.01	5.0	24	36	19.40	20.60	3
CJSE 011	0.01	3.0	CJSE 081	0.01	5.0	24	36	19.60	20.40	2
CJSE 013	0.01	3.0	CJSE 082	0.01	5.0	24	36	19.80	20.20	1
CJSE 010	0.01	3.0	CJSE 083	0.01	5.0	— 24	— 36	— 19.40	— 20.60	3
CJSE 012	0.01	3.0	CJSE 084	0.01	5.0	— 24	— 36	— 19.60	— 20.40	2
CJSE 014	0.01	3.0	CJSE 085	0.01	5.0	— 24	— 36	— 19.80	— 20.20	1
CJSE 001	0.01	3.0	CJSE 086	0.01	5.0	19	31	14.55	15.45	3
CJSE 003	0.01	3.0	CJSE 087	0.01	5.0	19	31	14.70	15.30	2
CJSE 005	0.01	3.0	CJSE 088	0.01	5.0	19	31	14.85	15.15	1
CJSE 002	0.01	3.0	CJSE 089	0.01	5.0	— 19	— 31	— 14.55	— 15.45	3
CJSE 004	0.01	3.0	CJSE 090	0.01	5.0	— 19	— 31	— 14.70	— 15.30	2
CJSE 006	0.01	3.0	CJSE 091	0.01	5.0	— 19	— 31	— 14.85	— 15.15	1
CJSE 036	0.01	3.0	CJSE 092	0.01	5.0	16	28	11.64	12.36	3
CJSE 037	0.01	3.0	CJSE 093	0.01	5.0	16	28	11.76	12.24	2
CJSE 038	0.01	3.0	CJSE 094	0.01	5.0	16	28	11.88	12.12	1
CJSE 045	0.01	3.0	CJSE 095	0.01	5.0	— 16	— 28	— 11.64	— 12.36	3
CJSE 046	0.01	3.0	CJSE 096	0.01	5.0	— 16	— 28	— 11.76	— 12.24	2
CJSE 047	0.01	3.0	CJSE 097	0.01	5.0	— 16	— 28	— 11.88	— 12.12	1
CJSE 017	0.01	3.0	CJSE 800	0.01	5.0	10	22	5.82	6.18	3
CJSE 019	0.01	3.0	CJSE 801	0.01	5.0	10	22	5.88	6.12	2
CJSE 021	0.01	3.0	CJSE 802	0.01	5.0	10	22	5.94	6.06	1
CJSE 018	0.01	3.0	CJSE 803	0.01	5.0	— 10	— 22	— 5.82	— 6.18	3
CJSE 020	0.01	3.0	CJSE 804	0.01	5.0	— 10	— 22	— 5.88	— 6.12	2
CJSE 022	0.01	3.0	CJSE 805	0.01	5.0	— 10	— 22	— 5.94	— 6.06	1
CJSE 033	0.01	3.0	CJSE 806	0.01	5.0	9	21	4.85	5.15	3
CJSE 034	0.01	3.0	CJSE 807	0.01	5.0	9	21	4.90	5.10	2
CJSE 035	0.01	3.0	CJSE 808	0.01	5.0	9	21	4.95	5.05	1
CJSE 042	0.01	3.0	CJSE 809	0.01	5.0	— 9	— 21	— 4.85	— 5.15	3
CJSE 043	0.01	3.0	CJSE 810	0.01	5.0	— 9	— 21	— 4.90	— 5.10	2
CJSE 044	0.01	3.0	CJSE 811	0.01	5.0	— 9	— 21	— 4.95	— 5.05	1

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PRODUCT CATALOG
HYBRID VOLTAGE REGULATORS



ADJUSTABLE OUTPUT VOLTAGE REGULATORS IN 8-PIN TO-3 CASE

Device	Output Voltage (Volts)		Input Voltage (Volts)		Output Current Amps
	Min	Max	Min	Max	(Max)
CJCA 001	+8	+56	10	60	5.0
CJCA 002	+8	+56	-10	-60	5.0
CJCA 007	+8	+56	10	60	5.0
CJCA 008	+8	+56	-10	-60	5.0

NOTES
ADJUSTABLE VOLTAGE REGULATORS

- Adjustable voltage regulators from the case.
- CJCA 007 and CJCA 008 provide regulation, current limiting capability, short circuit protection with the addition of an external resistor network. Constant current source for current mode regulation is built in.
- CJCA 001 and CJCA 002 require an external transistor resistor for regulation and current limiting.

NOTES

FIXED VOLTAGE REGULATORS -- 3 Amp and 5 Amp Version

- Specified output voltage limits are met within the voltage- current boundaries indicated under Line Regulation and Load Regulation.
- V_{OUT} tolerance at $+25^{\circ}C = \pm 5\%$.
- All regulators have foldback current limiting and short circuit protection.
- Typical knee current (current foldback point) is:

I_{OUT}	
3A	5A
I_{KNEE}	
4.5A	8.0A

- Typical short circuit current is 0.5 Amps -- Hybrid short circuit current values are available upon request.
- Ripple rejection = 55 db min.
 I (quiescent) = 50 ma max.
 $\theta_{JC} = 1^{\circ}C/W$ typical.
- Standard Package: Case is V_{in} ; Pin 1 is v_{out} ; Pin 2 is ground.
- Optional Package: Case is V_{in} ; Pin 1 is ground; Pin 2 is v_{out} .

Ordering Information: Part numbers listed in table are for standard configuration; for optional configuration add suffix R to part number listed in the table (i.e. CJSE 039R).
 For space savings, multiple regulators can be supplied in a common copper flatpack.
 Output voltages from $\pm 2V$ to $\pm 50V$ available upon request.
 Higher currents up to 50A available in copper flatpacks.