SG7900A/SG7900AC
SG7900/SG7900C

NEGATIVE FIXED VOLTAGE REGULATOR

DESCRIPTION

The SG7900A/SG7900 series of negative regulators offer self-contained, fixed-voltage capability with up to 1.5A of load current. With a variety of output voltages and four package options this regulator series is an optimum complement to the SG7800A/SG7800, SG140/SG340 line of three terminal regulators.

These units feature a unique band gap reference which allows the SG7900A series to be specified with an output voltage tolerance of ±1.5%. The SG7900A versions also offer much improved line regulation characteristics.

All protective features of thermal shutdown, current limiting, and safe-area control have been designed into these units and since these regulators require only a single output capacitor (SG7900 series) or a capacitor and 5mA minimum load (SG120 series) for satisfactory performance, ease of application is assured.

Although designed as fixed-voltage regulators, the output voltage can be increased through the use of a simple voltage divider. The low quiescent drain current of the device insures good regulation when this method is used, especially for the SG120 series.

These devices are available in hermetically sealed TO-257 (both isolated and non-isolated), TO-3, TO-39 and TO-66 power packages.

FEATURES

- **Output voltage set internally to ±1.5% on SG7900A**
- **Output current to 1.5A**
- **Excellent line and load regulation**
- **Foldback current limiting**
- **Thermal overload protection**
- **Voltages available: -5V, -5.2V, -8V, -12V, -15V, -18V, -20V**
- **Contact factory for other voltage options**

HIGH RELIABILITY FEATURES - SG7900A/SG7900

- **Available to MIL-STD - 883**
- **MIL-M38510/11501BXA - JAN7905T**
- **MIL-M38510/11505BYA - JAN7905K**
- **MIL-M38510/11506BYA - JAN7912K**
- **MIL-M38510/11507BYA - JAN7915K**
- **Scheduled for MIL-M-38510 QPL listing**
- **Radiation data available**
- **SG level "S" processing available**

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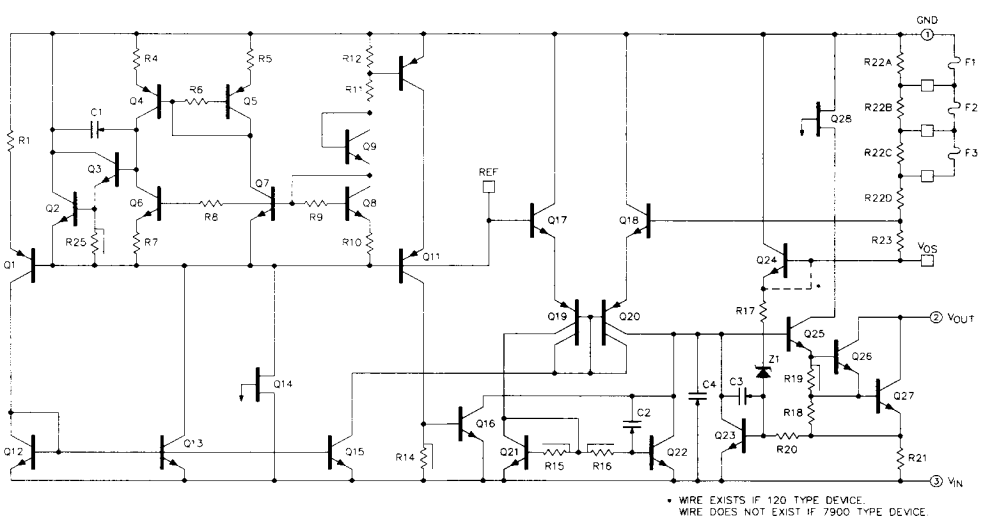
SCHEMATIC DIAGRAM



April 1990

ABSOLUTE MAXIMUM RATINGS (Note 1)

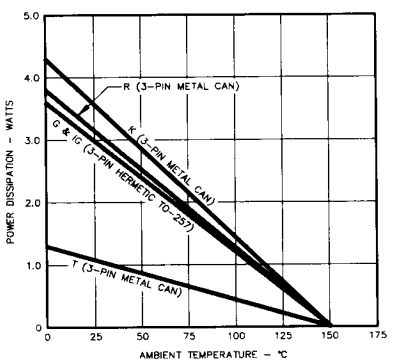
Device Output Voltage	Input Voltage	Input Voltage Differential (Output shorted to ground)
-5V	-35V	35V
-5.2V	-35V	35V
-8V	-35V	35V
-12V	-35V	35V
-15V	-40V	35V
-18V	-40V	35V
-20V	-40V	35V

Operating Junction Temperature
Hermetic (K, R, T, G, IG - Packages) ..... 150°C

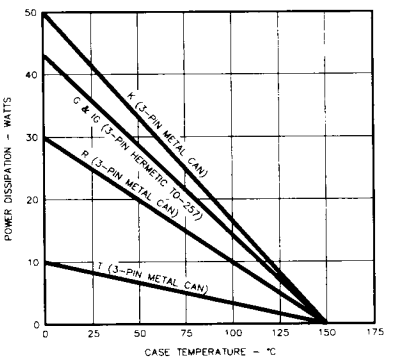
Storage Temperature Range ..... -65°C to 150°C
Lead Temperature (Soldering, 10 Seconds) ..... 300°C

Note 1. Values beyond which damage may occur.

THERMAL DERATING CURVES



MAXIMUM POWER DISSIPATION vs AMBIENT TEMPERATURE



MAXIMUM POWER DISSIPATION vs CASE TEMPERATURE

RECOMMENDED OPERATING CONDITIONS (Note 2)

Operating Junction Temperature Range:
SG7900A/7900 ..... -55°C to 150°C
SG7900AC/7900C ..... 0°C to 125°C

Note 2. Range over which the device is functional.

CHARACTERISTIC CURVES

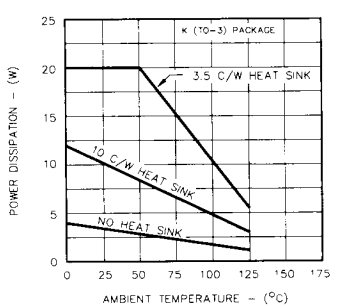


FIGURE 1.
MAXIMUM AVERAGE POWER DISSIPATION

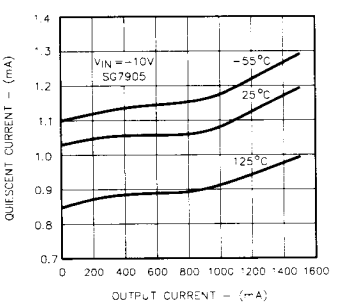


FIGURE 2.
QUIESCENT CURRENT VS. LOAD

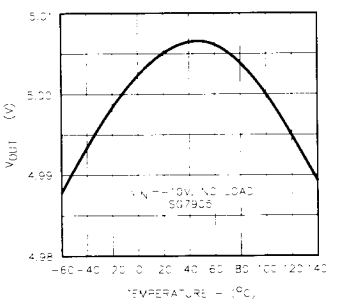


FIGURE 3.
TEMPERATURE COEFFICIENT

CHARACTERISTIC CURVES (continued)

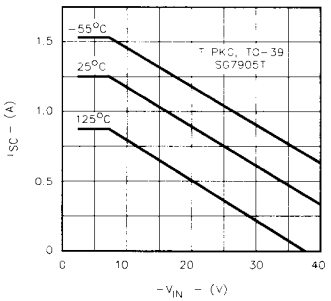


FIGURE 4.
SHORTCIRCUIT CURRENT VS. V_{IN}

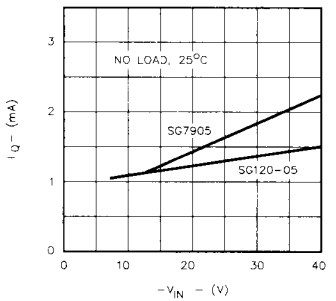


FIGURE 5.
QUIESCENT CURRENT VS. V_{IN}

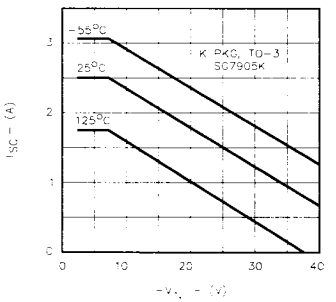


FIGURE 6.
SHORT CIRCUIT CURRENT VS. V_{IN}

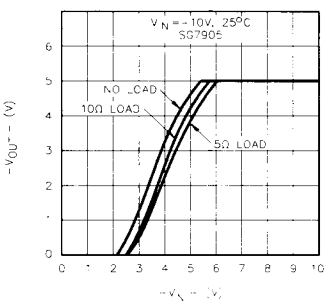


FIGURE 7.
DROPOUT CHARACTERISTICS

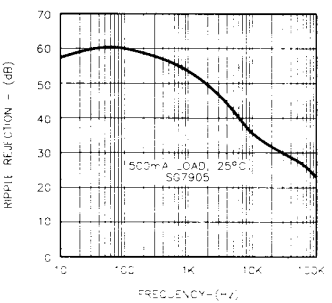


FIGURE 8.
RIPPLE REJECTION VS. FREQUENCY

APPLICATIONS

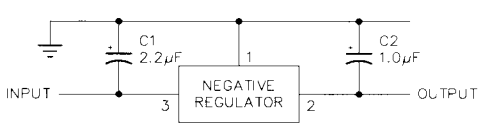


FIGURE 9 - FIXED OUTPUT REGULATOR

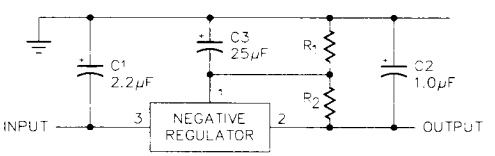


FIGURE 10 - CIRCUIT FOR INCREASING OUTPUT VOLTAGE

NOTE: 1. C1 is required only if regulator is separated from rectifier filter.
2. Both C1 and C2 should be low E.S.R. types such as solid tantalum. If aluminum electrolitics are used, at least 10 times values shown should be selected.
3. If large output capacities are used, the regulators must be protected from momentary input shorts. A high current diode

NOTE: C3 optional for improved transient response and ripple rejec-

$$V_{OUT} = V\,(\text{REGULATOR})\frac{R_1 + R_2}{R_1} \qquad R_2 = \frac{V(\text{REG})}{15\text{mA}}$$

ELECTRICAL SPECIFICATIONS (Note 1)

(Unless otherwise specified, these specifications apply over the operating ambient temperatures for SG7905A/SG7905 with $-55°C \le T_A \le 150°C$, SG7905AC/SG7905C with $0°C \le T_A \le 125°C$, $V_{IN} = -10V$, $I_O = 500mA$ for the K, R, G and IG -Power Packages-, $I_O = 100mA$ for the T package, $C_{IN} = 2\mu F$, and $C_{OUT} = 1.0\mu F$. Low duty cycle pulse testing techniques are used which maintains junction and case temperatures equal to the ambient temperature.)

SG7905A/SG7905

Parameter	Test Conditions	SG7905A			SG7905			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-4.92**	**-5.00**	**-5.08**	**-4.8**	**-5.0**	**-5.2**	**V**
Line Regulation (Note 1)	V_{IN} = -7.5V to -25V, T_J = 25°C		5	25		3	50	mV
	V_{IN} = -8V to -12V, T_J = 25°C		**3**	**12**		**1**	**25**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		15	75		15	100	mV
	I_O = 250mA to 750mA, T_J = 25°C		**15**	**25**		**15**	**25**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		5	30		5	100	mV
Total Output Voltage	**V_{IN} = -8V to -20V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-4.85	-5.00	-5.15	-4.70	-5.00	-5.30	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-4.85**	**-5.00**	**-5.15**	**-4.70**	**-5.00**	**-5.30**	**V**
Quiescent Current	Over Temperature Range			2.5			2.5	mA
	T_J = 25°C			**2.0**			**2.0**	**mA**
Quiescent Current Change	with Line: V_{IN} = -8V to -25V			1.3			1.3	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	μV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**20**			**20**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

SG7905AC/SG7905C

Parameter	Test Conditions	SG7905AC			SG7905C			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-4.92**	**-5.00**	**-5.08**	**-4.8**	**-5.0**	**-5.2**	**V**
Line Regulation (Note 1)	V_{IN} = -7.5V to -25V, T_J = 25°C		5	40		3	100	mV
	V_{IN} = -8V to -12V, T_J = 25°C		**3**	**25**		**1**	**50**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		15	75		15	100	mV
	I_O = 250mA to 750mA, T_J = 25°C		**5**	**50**		**5**	**50**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		5	50		15	100	mV
Total Output Voltage	**V_{IN} = -8V to -20V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-4.85	-5.00	-5.15	-4.75	-5.00	-5.25	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-4.85**	**-5.00**	**-5.15**	**-4.75**	**-5.00**	**-5.25**	**V**
Quiescent Current	Over Temperature Range			2.5			3.0	mA
	T_J = 25°C			**2.0**			**2.0**	**mA**
Quiescent Current Change	with Line: V_{IN} = -8V to -25V			1.3			1.3	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	μV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**20**			**20**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

Note 1. All regulation tests are made at constant junction temperature with low duty cycle testing.
2. This test is guaranteed but is not tested in production.

ELECTRICAL SPECIFICATIONS (Note 1)

(Unless otherwise specified, these specifications apply over the operating ambient temperatures for SG7905.2A/7905.2 with -55°C ≤ T_A ≤ 150°C, SG7905.2AC/7905.2C with 0°C ≤ T_A ≤ 125°C, V_{IN} = -10V, I_O = 500mA for the K, R, G and IG -Power Packages-, I_O = 100mA for the T package, C_{IN} = 2μF, and C_{OUT} = 1.0μF. Low duty cycle pulse testing techniques are used which maintains junction and case temperatures equal to the ambient temperature.)

SG7905.2A/SG7905.2

Parameter	Test Conditions	SG7905.2A			SG7905.2			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-5.12**	**-5.20**	**-5.28**	**-5.0**	**-5.2**	**-5.4**	**V**
Line Regulation (Note 1)	V_{IN} = -7.7V to -25V, T_J = 25°C		5	25		5	50	mV
	V_{IN} = -8V to -12V, T_J = 25°C		**3**	**15**		**3**	**25**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		15	75		15	100	mV
	I_O = 250mA to 750mA, T_J = 25°C		**5**	**25**		**5**	**30**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		5	30		5	100	mV
Total Output Voltage	**V_{IN} = -8.2V to -20V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-5.05	-5.20	-5.35	-4.90	-5.20	-5.50	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-5.05**	**-5.20**	**-5.35**	**-4.90**	**-5.20**	**-5.50**	**V**
Quiescent Current	Over Temperature Range			2.5			2.5	mA
	T_J = 25°C			**2.0**			**2.0**	**mA**
Quiescent Current Change	with Line: V_{IN} = -8.2V to -25V			1.3			1.3	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	μV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**24**			**24**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

SG7905.2AC/SG7905.2C

Parameter	Test Conditions	SG7905.2AC			SG7905.2C			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-5.12**	**-5.20**	**-5.28**	**-5.0**	**-5.2**	**-5.4**	**V**
Line Regulation (Note 1)	V_{IN} = -7.7V to -25V, T_J = 25°C		5	40		10	50	mV
	V_{IN} = -8V to -12V, T_J = 25°C		**3**	**25**		**5**	**25**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		15	75		15	100	mV
	I_O = 250mA to 750mA, T_J = 25°C		**5**	**50**		**5**	**50**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		5	50		5	100	mV
Total Output Voltage	**V_{IN} = -8.2V to -20V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-5.05	-5.20	-5.35	-4.95	-5.20	-5.45	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-5.05**	**-5.20**	**-5.35**	**-4.95**	**-5.20**	**-5.45**	**V**
Quiescent Current	Over Temperature Range			2.5			3.1	mA
	T_J = 25°C			**2.0**			**2.0**	**mA**
Quiescent Current Change	with Line: V_{IN} = -8.2V to -20V			1.3			1.3	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	μV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**24**			**24**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

Note 1. All regulation tests are made at constant junction temperature with low duty cycle testing.
2. This test is guaranteed but is not tested in production.

ELECTRICAL SPECIFICATIONS (Note 1)

(Unless otherwise specified, these specifications apply over the operating ambient temperatures for SG7908A/SG7908 with -55°C ≤ T_A ≤ 150°C, SG7908AC/SG7908C with 0°C ≤ T_A ≤ 125°C, V_{IN} = -14V, I_O = 500mA for the K, R, G and IG -Power Packages-, I_O = 100mA for the T package, C_{IN} = 2µF, and C_{OUT} = 1.0µF. Low duty cycle pulse testing techniques are used which maintains junction and case temperatures equal to the ambient temperature.)

SG7908A/SG7908

Parameter	Test Conditions	SG7908A			SG7908			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-7.88**	**-8.00**	**-8.12**	**-7.7**	**-8.0**	**-8.3**	**V**
Line Regulation (Note 1)	V_{IN} = -10.5V to -25V, T_J = 25°C		6	40		6	80	mV
	V_{IN} = -11V to -17V, T_J = 25°C		**2**	**20**		**2**	**40**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		12	80		12	100	mV
	I_O = 250mA to 750mA, T_J = 25°C		**4**	**30**		**4**	**40**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		10	30		10	160	mV
Total Output Voltage	**V_{IN} = -11.5V to -23V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-7.76	-8.00	-8.24	-7.6	-8.0	-8.4	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-7.76**	**-8.00**	**-8.24**	**-7.6**	**-8.0**	**-8.4**	**V**
Quiescent Current	Over Temperature Range			2.5			2.5	mA
	T_J = 25°C			**2.0**			**2.0**	**mA**
Quiescent Current Change	with Line: V_{IN} = -11.5V to -25V			1.0			1.0	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	µV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**32**			**32**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

SG7908AC/SG7908C

Parameter	Test Conditions	SG7908AC			SG7908C			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-7.88**	**-8.00**	**-8.12**	**-7.7**	**-8.0**	**-8.3**	**V**
Line Regulation (Note 1)	V_{IN} = -10.5V to -25V, T_J = 25°C		6	40		6	160	mV
	V_{IN} = -11V to -17V, T_J = 25°C		**4**	**25**		**2**	**80**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		12	100		12	160	mV
	I_O = 250mA to 750mA, T_J = 25°C		**10**	**50**		**4**	**80**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		10	40		10	160	mV
Total Output Voltage	**V_{IN} = -11.5V to -23V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-7.76	-8.00	-8.24	-7.6	-8.0	-8.4	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-7.76**	**-8.00**	**-8.24**	**-7.6**	**-8.0**	**-8.4**	**V**
Quiescent Current	Over Temperature Range			2.5			3.0	mA
	T_J = 25°C			**2.0**			**2.0**	**mA**
Quiescent Current Change	with Line: V_{IN} = -11.5V to -25V			1.0			1.0	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	µV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**32**			**32**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

Note 1. All regulation tests are made at constant junction temperature with low duty cycle testing.
2. This test is guaranteed but is not tested in production.

ELECTRICAL SPECIFICATIONS (Note 1)

(Unless otherwise specified, these specifications apply over the operating ambient temperatures for SG7912A/SG7912 with -55°C ≤ T_A ≤ 150°C, SG7912AC/SG7912C with 0°C ≤ T_A ≤ 125°C, V_{IN} = -19V, I_O = 500mA for the K, R, G and IG -Power Packages-, I_O = 100mA for the T package, C_{IN} = 2μF, and C_{OUT} = 1.0μF. Low duty cycle pulse testing techniques are used which maintains junction and case temperatures equal to the ambient temperature.)

SG7912A/SG7912

Parameter	Test Conditions	SG7912A			SG7912			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-11.8**	**-12.0**	**-12.2**	**-11.5**	**-12.0**	**-12.5**	**V**
Line Regulation (Note 1)	V_{IN} = -14.5V to -30V, T_J = 25°C		4	60		10	120	mV
	V_{IN} = -16V to -22V, T_J = 25°C		**3**	**30**		**3**	**60**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		20	90		12	120	mV
	I_O = 250mA to 750mA, T_J = 25°C		**10**	**40**		**4**	**60**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		10	40		10	240	mV
Total Output Voltage	**V_{IN} = -14.5V to -27V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-11.7	-12.0	-12.3	-11.4	-12.0	-12.6	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-11.7**	**-12.0**	**-12.3**	**-11.4**	**-12.0**	**-12.6**	**V**
Quiescent Current	Over Temperature Range			4			4	mA
	T_J = 25°C			**3**			**3**	**mA**
Quiescent Current Change	with Line: V_{IN} = -14.5V to -30V			1.0			1.0	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**0.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	μV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**60**			**60**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

SG7912AC/SG7912C

Parameter	Test Conditions	SG7912AC			SG7912C			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-11.8**	**-12.0**	**-12.2**	**-11.5**	**-12.0**	**-12.5**	**V**
Line Regulation (Note 1)	V_{IN} = -14.5V to -30V, T_J = 25°C		4	70		10	240	mV
	V_{IN} = -16V to -22V, T_J = 25°C		**3**	**40**		**3**	**120**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		20	100		12	240	mV
	I_O = 250mA to 750mA, T_J = 25°C		**10**	**50**		**4**	**120**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		10	50		10	240	mV
Total Output Voltage	**V_{IN} = -14.5V to -27V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-11.7	-12.0	-12.3	-11.4	-12.0	-12.6	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-11.7**	**-12.0**	**-12.3**	**-11.4**	**-12.0**	**-12.6**	**V**
Quiescent Current	Over Temperature Range			4			4	mA
	T_J = 25°C			**3**			**3**	**mA**
Quiescent Current Change	with Line: V_{IN} = -14.5V to -30V			1.0			1.0	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	μV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**60**			**60**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

Note 1. All regulation tests are made at constant junction temperature with low duty cycle testing.
2. This test is guaranteed but is not tested in production.

ELECTRICAL SPECIFICATIONS (Note 1)

(Unless otherwise specified, these specifications apply over the operating ambient temperatures for SG7915A/SG7915 with -55°C ≤ T_A ≤ 150°C, SG7915AC/SG7915C with 0°C ≤ T_A ≤ 125°C, V_{IN} = -23V, I_O = 500mA for the K, R, G and IG -Power Packages-, I_O = 100mA for the T package, C_{IN} = 2μF, and C_{OUT} = 1.0μF. Low duty cycle pulse testing techniques are used which maintains junction and case temperatures equal to the ambient temperature.)

SG7915A/SG7915

Parameter	Test Conditions	SG7915A			SG7915			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-14.8**	**-15.0**	**-15.2**	**-14.4**	**-15.0**	**-15.6**	**V**
Line Regulation (Note 1)	V_{IN} = -17.5V to -30V, T_J = 25°C		5	75		11	150	mV
	V_{IN} = -20V to -25V, T_J = 25°C		**3**	**40**		**3**	**75**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		30	100		12	150	mV
	I_O = 250mA to 750mA, T_J = 25°C		**4**	**50**		**4**	**75**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		10	50		10	240	mV
Total Output Voltage	**V_{IN} = -18.5V to -30V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-14.6	-15.0	-15.4	-14.25	-15.00	-15.75	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-14.6**	**-15.0**	**-15.4**	**-14.25**	**-15.00**	**-15.75**	**V**
Quiescent Current	Over Temperature Range			4			4	mA
	T_J = 25°C			**3**			**3**	**mA**
Quiescent Current Change	with Line: V_{IN} = -18.5V to -30V			1.0			1.0	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	μV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**60**			**60**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

SG7915AC/SG7915C

Parameter	Test Conditions	SG7915AC			SG7915C			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-14.8**	**-15.0**	**-15.2**	**-14.4**	**-15.0**	**-15.6**	**V**
Line Regulation (Note 1)	V_{IN} = -17.5V to -30V, T_J = 25°C		5	90		12	300	mV
	V_{IN} = -20V to -25V, T_J = 25°C		**4**	**50**		**3**	**150**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		30	130		12	300	mV
	I_O = 250mA to 750mA, T_J = 25°C		**4**	**60**		**4**	**150**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		10	60		10	240	mV
Total Output Voltage	**V_{IN} = -18.5V to -30V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-14.6	-15.0	-15.4	-14.25	-15.00	-15.75	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-14.6**	**-15.0**	**-15.4**	**-14.25**	**-15.00**	**-15.75**	**V**
Quiescent Current	Over Temperature Range			4			4	mA
	T_J = 25°C			**3**			**3**	**mA**
Quiescent Current Change	with Line: V_{IN} = -18.5V to -30V			1.0			1.0	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	μV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**60**			**60**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

Note 1. All regulation tests are made at constant junction temperature with low duty cycle testing.
2. This test is guaranteed but is not tested in production.

ELECTRICAL SPECIFICATIONS (Note 1)

(Unless otherwise specified, these specifications apply over the operating ambient temperatures for SG7918A/SG7918 with -55°C ≤ T_A ≤ 150°C, SG7918AC/SG7918C with 0°C ≤ T_A ≤ 125°C, V_{IN} = -27V, I_O = 500mA for the K, R, G and IG -Power Packages-, I_O = 100mA for the T package, C_{IN} = 2μF, and C_{OUT} = 1.0μF. Low duty cycle pulse testing techniques are used which maintains junction and case temperatures equal to the ambient temperature.)

SG7918A/SG7918

Parameter	Test Conditions	SG7918A			SG7918			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-17.7**	**-18.0**	**-18.3**	**-17.3**	**-18.0**	**-18.7**	**V**
Line Regulation (Note 1)	V_{IN} = -21V to -33V, T_J = 25°C		5	90		6	180	mV
	V_{IN} = -24V to -30V, T_J = 25°C		**3**	**50**		**3**	**75**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		30	120		12	180	mV
	I_O = 250mA to 750mA, T_J = 25°C		**4**	**60**		**4**	**90**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		10	60		10	240	mV
Total Output Voltage	**V_{IN} = -22V to -33V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-17.5	-18.0	-18.5	-17.1	-18.0	-18.9	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-17.5**	**-18.0**	**-18.5**	**-17.1**	**-18.0**	**-18.9**	**V**
Quiescent Current	Over Temperature Range			4			4	mA
	T_J = 25°C			**3**			**3**	**mA**
Quiescent Current Change	with Line: V_{IN} = -21V to -33V			1.0			1.0	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	μV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**72**			**72**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

SG7918AC/SG7918C

Parameter	Test Conditions	SG7918AC			SG7918C			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-17.7**	**-18.0**	**-18.3**	**-17.4**	**-18.0**	**-18.6**	**V**
Line Regulation (Note 1)	V_{IN} = -21V to -33V, T_J = 25°C		5	100		12	300	mV
	V_{IN} = -24V to -30V, T_J = 25°C		**4**	**80**		**3**	**150**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		30	130		12	360	mV
	I_O = 250mA to 750mA, T_J = 25°C		**4**	**70**		**4**	**180**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		10	70		10	300	mV
Total Output Voltage	**V_{IN} = -22V to -33V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-17.5	-18.0	-18.5	-17.1	-18.0	-18.9	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-17.5**	**-18.0**	**-18.5**	**-17.1**	**-18.0**	**-18.9**	**V**
Quiescent Current	Over Temperature Range			4			4	mA
	T_J = 25°C			**3**			**3**	**mA**
Quiescent Current Change	with Line: V_{IN} = -21V to -33V			1.0			1.0	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	μV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**72**			**72**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

Note 1. All regulation tests are made at constant junction temperature with low duty cycle testing.
2. This test is guaranteed but is not tested in production.

ELECTRICAL SPECIFICATIONS (Note 1)

(Unless otherwise specified, these specifications apply over the operating ambient temperatures for SG7920A/SG7920 with -55°C ≤ T_A ≤ 150°C, SG7920AC/SG7920C with 0°C ≤ T_A ≤ 125°C, V_{IN} = -29V, I_O = 500mA for the K, R, G and IG -Power Packages-, I_O = 100mA for the T package, C_{IN} = 2μF, and C_{OUT} = 1.0μF. Low duty cycle pulse testing techniques are used which maintains junction and case temperatures equal to the ambient temperature.)

SG7920A/SG7920

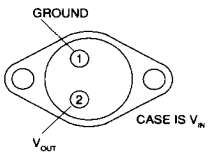
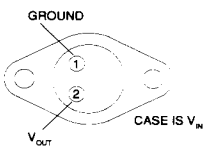
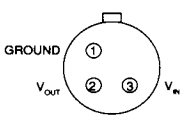
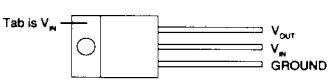
Parameter	Test Conditions	SG7920A			SG7920			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-19.7**	**-20.0**	**-20.3**	**-19.2**	**-20.0**	**-20.8**	**V**
Line Regulation (Note 1)	V_{IN} = -23V to -35V, T_J = 25°C		5	100		11	150	mV
	V_{IN} = -26V to -32V, T_J = 25°C		**4**	**60**		**3**	**75**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		30	120		12	200	mV
	I_O = 250mA to 750mA, T_J = 25°C		**4**	**70**		**4**	**100**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		10	70		10	240	mV
Total Output Voltage	**V_{IN} = -24V to -35V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-19.4	-20.0	-20.6	-19.0	-20.0	-21.0	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-19.4**	**-20.0**	**-20.6**	**-19.0**	**-20.0**	**-21.0**	**V**
Quiescent Current	Over Temperature Range			4			4	mA
	T_J = 25°C			**3**			**3**	**mA**
Quiescent Current Change	with Line: V_{IN} = -24V to -35V			1.0			1.0	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	μV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**80**			**80**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

SG7920AC/SG7920C

Parameter	Test Conditions	SG7920AC			SG7920C			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Output Voltage	**T_J = 25°C**	**-19.7**	**-20.0**	**-20.3**	**-19.2**	**-20.0**	**-20.8**	**V**
Line Regulation (Note 1)	V_{IN} = -23V to -35V, T_J = 25°C		6	120		11	300	mV
	V_{IN} = -26V to -32V, T_J = 25°C		**4**	**70**		**3**	**150**	**mV**
Load Regulation (Note 1)	Power Pkgs: I_O = 5mA to 1.5A, T_J = 25°C		30	140		12	400	mV
	I_O = 250mA to 750mA, T_J = 25°C		**4**	**80**		**10**	**200**	**mV**
	T - Pkg: I_O = 5mA to 500mA, T_J = 25°C		10	80		10	300	mV
Total Output Voltage	**V_{IN} = -24V to -35V**							
Tolerance	Power Pkgs: I_O = 5mA to 1.0A, P ≤ 20W	-19.4	-20.0	-20.6	-19.0	-20.0	-21.0	V
	T - Pkg: I_O = 5mA to 500mA, P ≤ 2W	**-19.4**	**-20.0**	**-20.6**	**-19.0**	**-20.0**	**-21.0**	**V**
Quiescent Current	Over Temperature Range			4			4	mA
	T_J = 25°C			**3**			**3**	**mA**
Quiescent Current Change	with Line: V_{IN} = -24V to -35V			1.0			1.0	mA
	with Load: I_O = 5mA to 1.0A (Power Packages)			**0.5**			**0.5**	**mA**
	I_O = 5mA to 500mA (T)			0.5			0.5	mA
Dropout Voltage	**ΔV_O = 100mV, T_J = 25°C**							
	Power Pkgs: I_O = 1.0A, T - Pkg: I_O = 500mA		1.1	2.3		1.1	2.3	V
Peak Output Current	**Power Pkgs: T_J = 25°C**	**1.5**		**3.3**	**1.5**		**3.3**	**A**
	T - Pkg: T_J = 25°C	0.5		1.4	0.5		1.4	A
Short Circuit Current	**Power Pkgs: V_{IN} = -35V, T_J = 25°C**			**1.2**			**1.2**	**A**
	T - Pkg: V_{IN} = -35V, T_J = 25°C			0.6			0.6	A
Ripple Rejection	**ΔV_{IN} = 10V, f = 120Hz, T_J = 25°C**	**54**			**54**			**dB**
Output Noise Voltage (rms)	f = 10Hz to 100KHz (Note 2)		25	80		25	80	μV/V
Long Term Stability	**1000hrs. at T_J = 125°C**		**80**			**80**		**mV**
Thermal Shutdown	I_O = 5mA		175			175		°C

Note 1. All regulation tests are made at constant junction temperature with low duty cycle testing.
2. This test is guaranteed but is not tested in production.

CONNECTION DIAGRAMS & ORDERING INFORMATION (See Notes Below)

Package	Part No.	Ambient Temperature Range	Connection Diagram
3-TERMINAL TO-3 METAL CAN K-PACKAGE	SG79XXAK/883B	-55°C to 125°C	
	SG79XXAK	-55°C to 125°C	
	SG79XXACK	0°C to 70C	
	SG79XXK/883B	-55°C to 125°C	
	SG79XXK	-55°C to 125°C	
	SG79XXK	0°C to 70°C	
3-TERMINAL TO-66 METAL CAN R-PACKAGE	SG79XXAR/883B	-55°C to 125°C	
	SG79XXAR	-55°C to 125°C	
	SG79XXACR	0°C to 70°C	
	SG79XXR/883B	-55°C to 125°C	
	SG79XXR	-55°C to 125°C	
	SG79XXCR	0°C to 70°C	
3-PIN TO-39 METAL CAN T-PACKAGE	SG79XXAT/883B	-55°C to 125°C	
	SG79XXAT	-55°C to 125°C	
	SG79XXACT	0°C to 70°C	
	SG79XXT/883B	-55°C to 125°C	
	SG79XXT	-55°C to 125°C	
	SG79XXCT	0°C to 70°C	
3-PIN HERMETIC TO-257 G-PACKAGE (Non-Isolated)	SG79XXAG/883B	-55°C to 125°C	
	SG79XXAG	-55°C to 125°C	
	SG79XXG/883B	-55°C to 125°C	
	SG79XXG	-55°C to 125°C	
3-PIN HERMETIC TO-257 IG-PACKAGE (Isolated)	SG79XXAIG/883B	-55°C to 125°C	
	SG79XXAIG	-55°C to 125°C	
	SG79XXIG/883B	-55°C to 125°C	
	SG79XXIG	-55°C to 125°C	

Note 1. Contact factory for JAN and DESC product availability.
2. All parts are viewed from the top.
3. "XX" to be replaced by output voltage of specific fixed regulator.
4. Some products will be available in leadless chip carrier (LCC) and hermetic flat pack (F). Consult factory for price and availability

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