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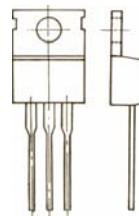
Three-terminal negative voltage regulator

FEATURES**Maximum Output current I_{OM} : 1.5 A****Output voltage V_o : - 6 V****Continuous total dissipation** P_D : 2 W ($T_a = 25^\circ C$)15 W ($T_c = 25^\circ C$)**TO-220**

1 GND

2. IN

3. OUT



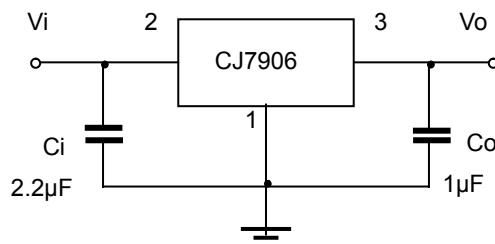
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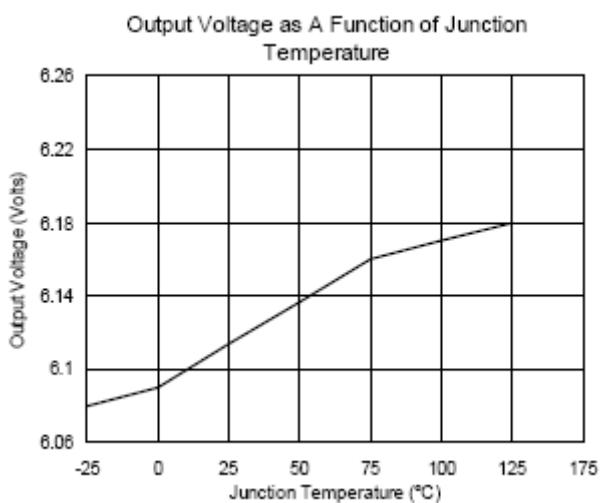
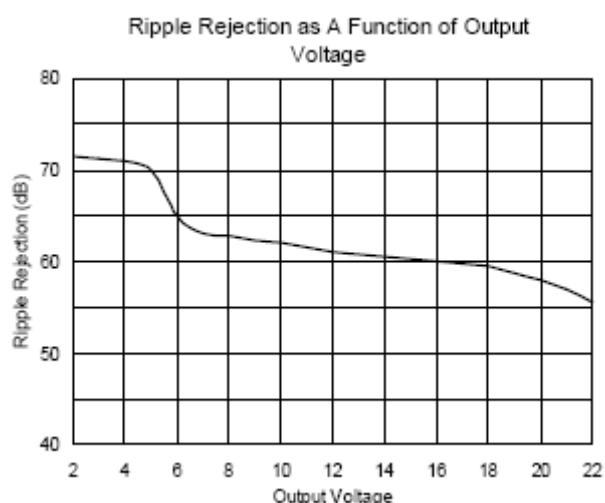
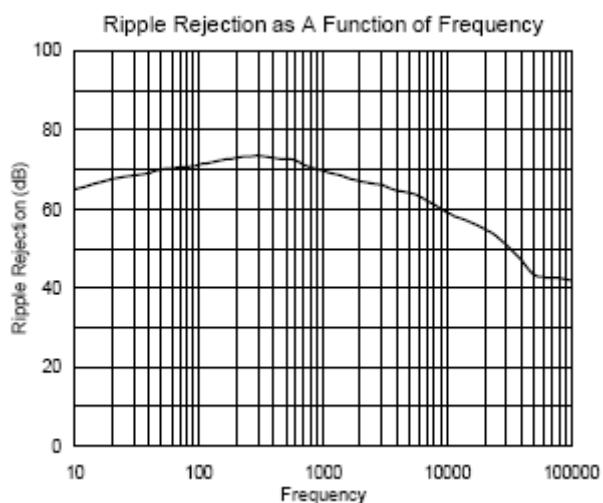
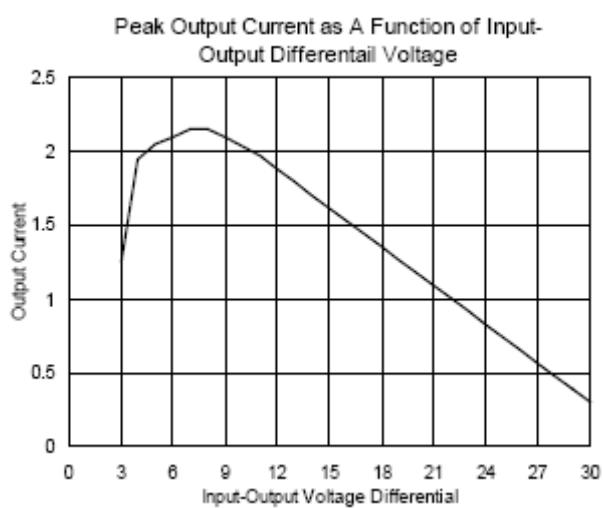
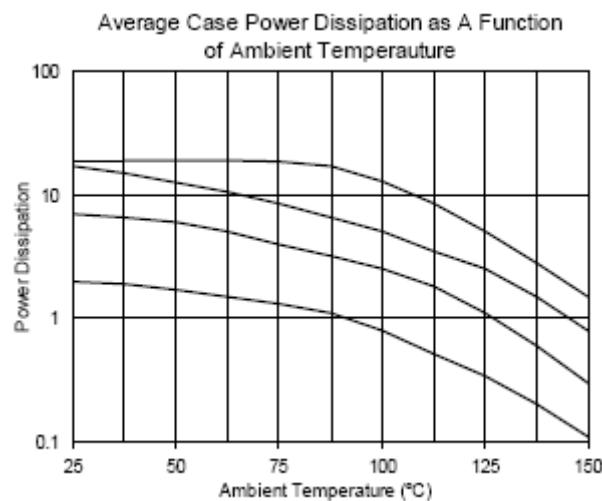
ABSOLUTE MAXIMUM RATINGS(Operating temperature range applies unless otherwise specified)

Parameter	Symbol	Value	Unit
Input Voltage	V_i	-35	V
Thermal resistance junction-air	$R_{\theta JA}$	65	°C/W
Thermal resistance junction-cases	$R_{\theta JC}$	5	°C/W
Operating Junction Temperature Range	T_{OPR}	0-125	°C
Storage Temperature Range	T_{STG}	-65-150	°C

ELECTRICAL CHARACTERISTICS ($V_i=-11V$, $I_o=500mA$, $C_i=2.2\mu F$, $C_o=1\mu F$, unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Output voltage	V_o	25°C	-5.75	-6	-6.25	V
		-8V≤ V_i ≤-21V, $I_o=5mA-1A$ $P \leq 15W$	0-125°C	-5.7	-6	-6.3
Load Regulation	ΔV_o	$I_o=5mA-1.5A$	25°C	15	120	mV
		$I_o=250mA-750mA$	25°C	5	60	mV
Line regulation	ΔV_o	-8V≤ V_i ≤-25V	25°C	12.5	120	mV
		-9V≤ V_i ≤-13V	25°C	4	60	mV
Quiescent Current	I_q		25°C	1.5	2	mA
Quiescent Current Change	ΔI_q	-8V≤ V_i ≤-25V	0-125°C		1.3	mA
		5mA≤ I_o ≤1A	0-125°C		0.5	mA
Output Noise Voltage	V_N	10Hz≤f≤100KHz	25°C	150		μV
Output voltage drift	$\Delta V_o/\Delta T$	$I_o=5mA$	0-125°C	-0.4		mV/°C
Ripple Rejection	RR	-9V≤ V_i ≤-19V, f=120Hz	0-125°C	54	60	dB
Dropout Voltage	V_d	$I_o=1A$	25°C		1.1	V
Peak Current	I_{pk}		25°C		2.1	A

TYPICAL APPLICATION

**IMPORTANT NOTICE – PLEASE READ CAREFULLY**

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