

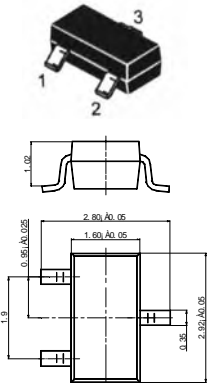
WEJ79L08 Three-terminal negative voltage regulator

FEATURES

Maximum Output current
 $I_{OM}: 0.1 \text{ A}$
 Output voltage
 $V_o: -8 \text{ V}$

SOT-23-3L

- 1. GND
- 2. OUT
- 3. IN



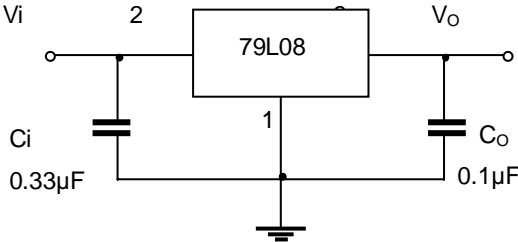
ABSOLUTE MAXIMUM RATINGS (Operating temperature range applies unless otherwise specified)

Parameter	Symbol	Value	Units
Input Voltage	V_i	-30	V
Operating Junction Temperature Range	T_{OPR}	0~+125	°C
Storage Temperature Range	T_{STG}	-55~+150	°C

ELECTRICAL CHARACTERISTICS ($V_i=-14V, I_o=40mA, 0^\circ C < T_j < 125^\circ C, C_1=0.33\mu F, C_o=0.1\mu F$, unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Output voltage	V_o	$V_{IN}=-14V, I_o=40mA$	-7.7	-8.0	-8.3	V
Line Regulation	V_o-V_{IN}	$V_{IN}=-10.5 \sim -23V, I_o=40mA$		42	200	mV
Load Regulation	V_o-I_o	$V_{IN}=-14V, I_o=1 \sim 100mA$		30	100	mV
Quiescent Current	I_Q	$V_{IN}=-14V, I_o=40mA$			6.0	mA
Ripple Rejection	RR	$V_{IN}=-11V \sim -21V, I_o=40mA, e_{IN}=1V_{P-P}, f=120Hz$	37	46		dB
Output Noise Voltage	V_{NO}	$V_{IN}=-14V, f=10Hz \sim 100KH, I_o=40mA$		54		μV

TYPICAL APPLICATION



Note 1: Bypass capacitors are recommended for optimum stability and transient response and should be located as close as possible to the regulators.