

WEJ79L05 Three-terminal negative voltage regulator

FEATURES

Maximum Output current

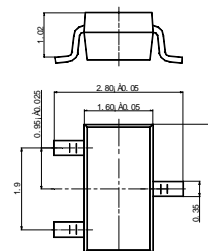
I_{OM} : 0.1 A

Output voltage

V_o : -5 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 ($V_i=-10V, I_o=40mA, 0^\circ C < T_j < 125^\circ C, C_1=0.33\mu F, C_o=0.1\mu F$, unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Output voltage	V_o	$V_i=-10V, I_o=40mA$	-4.8	-5.0	-5.2	V
Load Regulation	V_o-I_o	$V_i=-10V, I_o=1mA \sim 100mA$		20	60	mV
Line regulation	V_o-V_i	$V_i=-7V \sim -20V, I_o=40mA$		15	150	mV
Quiescent Current	I_q	$V_i=-10V, I_o=40mA$			6	mA
Output Noise Voltage	V_N	$10Hz \leq f \leq 100KHz, V_i=-10V, I_o=40mA$		40		uV
Ripple Rejection	RR	$V_i=-8V \sim -18V, I_o=40mA, e_i=1V_{P-P}, f=120Hz$	41	49		dB

TYPICAL APPLICATION

