

### WEJ79L09 Three-terminal negative voltage regulator

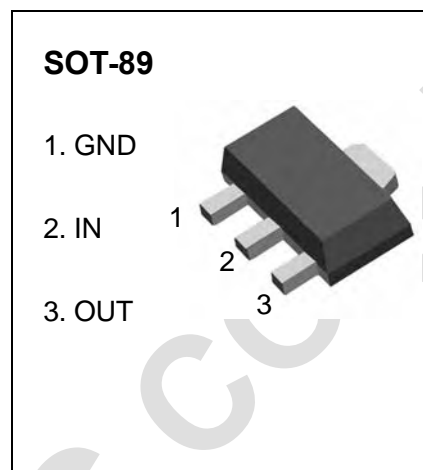
#### FEATURES

Maximum Output current

$I_{OM}$ : 0.1 A

Output voltage

$V_o$ : -9 V



#### 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	$V_o$	$V_i=-15V, I_o=40mA$	-8.64	-9	-9.36	V
Load Regulation	$V_o-I_o$	$V_i=-15V, I_o=1mA\sim 100mA$		12	90	mV
Line regulation	$V_o-V_i$	$V_i=-12.5V\sim -24V, I_o=40mA$		27	200	mV
Quiescent Current	$I_q$	$V_i=-15V, I_o=40mA$		3.5	6	mA
Output Noise Voltage	$V_N$	$B_W=10Hz\sim 100KHz, V_i=-15V, I_o=40mA$		210		uV
Ripple Rejection	RR	$V_i=-12V\sim -22V, I_o=40mA, e_i=1V_{P-P}, f=150Hz$	37	64		dB

#### TYPICAL APPLICATION

