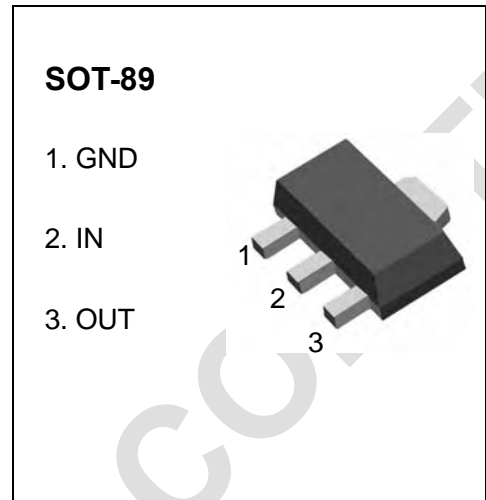


### WEJ79L12 Three-terminal negative voltage regulator

#### FEATURES

Maximum Output current  
 $I_{OM}: 0.1 \text{ A}$   
 Output voltage  
 $V_o: -1 \text{ V}$



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

Parameter	Symbol	Value	Units
Input Voltage	$V_i$	-35	V
Operating Junction Temperature Range	$T_{OPR}$	0~+125	°C
Storage Temperature Range	$T_{STG}$	-55~+150	°C

#### ELECTRICAL CHARACTERISTICS ( $V_i=-19V, I_o=40mA, 0^\circ C < T_j < 125^\circ C, C_1=0.33\mu F, C_o=0.1\mu F$ , unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Output voltage	$V_o$	$V_{IN}=-19V, I_o=40mA$	-11.5	-12.0	-12.5	V
Line Regulation	$V_o-V_{IN}$	$V_{IN}=-14.5\sim-27V, I_o=40mA$		50	250	mV
Load Regulation	$V_o-I_o$	$V_{IN}=-19V, I_o=1\sim100mA$		24	100	mV
Quiescent Current	$I_Q$	$V_{IN}=-19V, I_o=40mA$			6.5	mA
Ripple Rejection	RR	$V_{IN}=-15V\sim-25V, I_o=40mA, e_{IN}=1V_{P-P}, f=120Hz$	37	42		dB
Output Noise Voltage	$V_{NO}$	$V_{IN}=-19V, f=10Hz\sim100KH, I_o=40mA$		80		$\mu V$

#### TYPICAL APPLICATION

