

LM7912
3-TERMINAL NEGATIVE VOLTAGE REGULATOR

Absolute Maximum Ratings:

Input Voltage	-35 V
Internal Power Dissipation	Internally Limited
Operating Junction Temperature Range	0°C to +150°C

Electrical Characteristics: $V_{IN} = -19V$, $I_{OUT} = 500mA$, $T_j = 25^\circ C$, $C_{IN} = 2.0\mu F$, $C_{OUT} = 1.0\mu F$
(unless otherwise specified)

Case TO-220

Characteristics	Test Condition	Min	Type	Max	Unit
Output Voltage		-11.5	-12.0	-12.5	V
Line Regulation	-14.5V $\ll V_{IN} \ll -30V$	-	-	240	mV
	-16V $\ll V_{IN} \ll -22V$	-	-	120	mV
Load Regulation	5.0mA $\ll I_{OUT} \ll 1.5A$	-	-	240	mV
	250mA $\ll I_{OUT} \ll 750mA$	-	-	120	mV
Quiescent Current		-	-	3.0	mA
Dropout Voltage	$I_{OUT} = 1.0A$	-	1.1	-	V
Peak Output Current			2.1	-	A