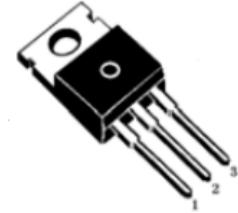


**7905-1.5A****3 TERMINAL 1.5A NEGATIVE VOLTAGE REGULATOR****FEATURES**

1. Output current up to 1.5A
2. Fixed output voltage of -5V
3. Thermal overload shutdown protection
4. Short circuit current limiting



1. Gnd 2. Input 3. Output

**Absolute Maximum Ratings** (Operating temperature range applies unless otherwise specified, Tamb=25 °C)

Characteristic	Symbol	Value	Unit
Input voltage	Vi	-35	V
Thermal resistance junction-air	Rθ JA	65	°C/W
Thermal resistance junction-cases	Rθ JC	5	°C/W
Operating Temperature	Topr	0~+125	°C
Storage Temperature	Tstg	-65~+150	°C

**ELECTRICAL CHARACTERISTICS** (Refer to test circuits, 0<Tj<125°C, Io=500mA, Vi=-10V, Ci=2.2μF, Co=1μF, unless otherwise specified)

Characteristic	Symbol	Test Conditions	Min	Typ	Max	Units
Output voltage	Vo	Tj=25°C	-4.8	-5.0	-5.2	V
		5mA<Io<1A, Po<15W Vi=-7V to -20V	-4.75	-5.0	-5.25	
Line regulation(Note)	ΔVo	Tj=25°C, Vi=-7V to -25V	-	35	100	mV
		Tj=25°C, Vi=-8V to -12V	-	8	50	
Load regulation(Note)	ΔVo	Tj=25°C, Io=5mA to 1.5A	-	10	100	mV
		Tj=25°C, Io=250mA to 750mA	-	3	50	
Quiescent current	IQ	Tj=25°C	-	3	6	mA
Quiescent current change	ΔIQ	Io=5mA to 1A	-	0.05	0.5	mA
		Vi=-8V to -25V	-	0.1	0.8	
Temperature coefficient of VD	ΔVo/ΔT	Io=5mA	-	0.5	-	mV/°C
Output noise voltage	VN	f=10Hz to 100kHz, Ta=25°C	-	40	-	μV
Ripple rejection	RR	f=120Hz, ΔVi=10V	54	60	-	dB
Dropout voltage	VD	Io=1A, Tj=25°C	-	2	-	V
Short circuit current	Isc	Vi=-35V, Tj=25°C	-	10	-	mA