



Is Now Part of



ON Semiconductor®

To learn more about ON Semiconductor, please visit our website at
www.onsemi.com

ON Semiconductor and the ON Semiconductor logo are trademarks of Semiconductor Components Industries, LLC dba ON Semiconductor or its subsidiaries in the United States and/or other countries. ON Semiconductor owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of ON Semiconductor's product/patent coverage may be accessed at www.onsemi.com/site/pdf/Patent-Marking.pdf. ON Semiconductor reserves the right to make changes without further notice to any products herein. ON Semiconductor makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does ON Semiconductor assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using ON Semiconductor products, including compliance with all laws, regulations and safety requirements or standards, regardless of any support or applications information provided by ON Semiconductor. "Typical" parameters which may be provided in ON Semiconductor data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. ON Semiconductor does not convey any license under its patent rights nor the rights of others. ON Semiconductor products are not designed, intended, or authorized for use as a critical component in life support systems or any FDA Class 3 medical devices or medical devices with a same or similar classification in a foreign jurisdiction or any devices intended for implantation in the human body. Should Buyer purchase or use ON Semiconductor products for any such unintended or unauthorized application, Buyer shall indemnify and hold ON Semiconductor and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that ON Semiconductor was negligent regarding the design or manufacture of the part. ON Semiconductor is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.

LM79XX

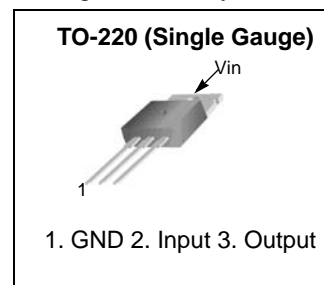
3-Terminal 1A Negative Voltage Regulator

Features

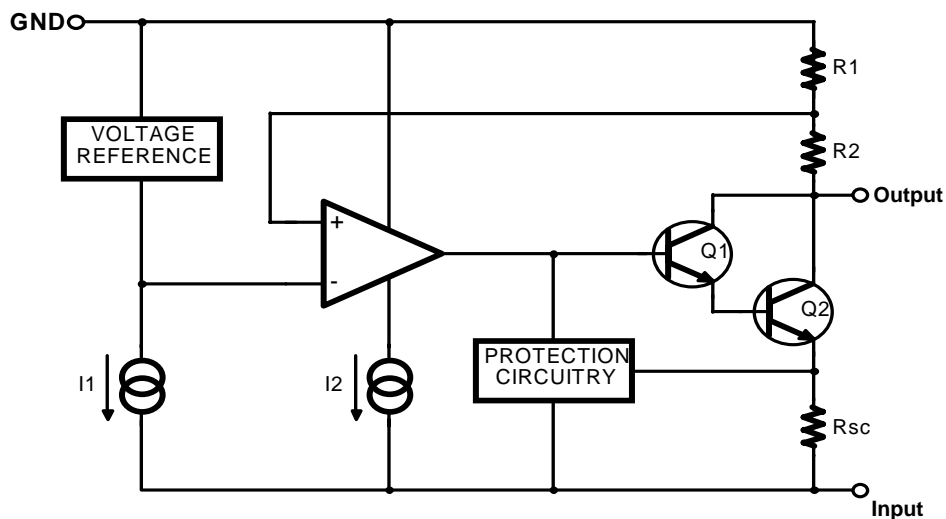
- Output Current in Excess of 1A
- Output Voltages of -5, -6, -8, -9, -10, -12, -15, -18 and -24V
- Internal Thermal Overload Protection
- Short Circuit Protection
- Output Transistor Safe Operating Area Compensation

Description

The LM79XX series of three terminal negative regulators are available in TO-220 package and with several fixed output voltages, making them useful in a wide range of applications. Each type employs internal current limiting, thermal shut down and safe operating area protection, making it essentially indestructible.



Internal Block Diagram



Absolute Maximum Ratings

| Parameter | Symbol | Value | Unit |
|--|-----------------|------------|------|
| Input Voltage | V_I | -35 | V |
| Thermal Resistance Junction-Case (Note1) | $R_{\theta JC}$ | 5 | °C/W |
| Thermal Resistance Junction-Air (Note1, 2) | $R_{\theta JA}$ | 65 | |
| Operating Temperature Range | T_{OPR} | 0 ~ +125 | °C |
| Storage Temperature Range | T_{STG} | -65 ~ +150 | °C |

Note:

- Thermal resistance test board
Size: 76.2mm * 114.3mm * 1.6mm(1S0P)
JEDEC standard: JESD51-3, JESD51-7
- Assume no ambient airflow

Electrical Characteristics (LM7905)

($V_I = -10V$, $I_O = 500mA$, $0^\circ C \leq T_J \leq +125^\circ C$, $C_I = 2.2\mu F$, $C_O = 1\mu F$, unless otherwise specified.)

| Parameter | Symbol | Conditions | Min. | Typ. | Max. | Unit | |
|----------------------------------|-------------------------|--|---------------------|------|-------|---------|----|
| Output Voltage | V_O | $T_J = +25^\circ C$ | -4.8 | -5.0 | -5.2 | V | |
| | | $I_O = 5mA$ to 1A, $P_O \leq 15W$ $V_I = -7V$ to -20V | -4.75 | -5.0 | -5.25 | | |
| Line Regulation (Note3) | ΔV_O | $T_J = +25^\circ C$ | $V_I = -7V$ to -25V | - | 35 | 100 | mV |
| | | | $V_I = -8V$ to -12V | - | 8 | 50 | |
| Load Regulation (Note3) | ΔV_O | $T_J = +25^\circ C$ $I_O = 5mA$ to 1.5A | - | 10 | 100 | mV | |
| | | $T_J = +25^\circ C$ $I_O = 250mA$ to 750mA | - | 3 | 50 | | |
| Quiescent Current | I_Q | $T_J = +25^\circ C$ | - | 3 | 6 | mA | |
| Quiescent Current Change | ΔI_Q | $I_O = 5mA$ to 1A | - | 0.05 | 0.5 | mA | |
| | | $V_I = -8V$ to -25V | - | 0.1 | 0.8 | | |
| Temperature Coefficient of V_D | $\Delta V_O / \Delta T$ | $I_O = 5mA$ | - | -0.4 | - | mV/°C | |
| Output Noise Voltage | V_N | $f = 10Hz$ to 100kHz $T_A = +25^\circ C$ | - | 40 | - | μV | |
| Ripple Rejection | RR | $f = 120Hz$ $\Delta V_I = 10V$ | 54 | 60 | - | dB | |
| Dropout Voltage | V_D | $T_J = +25^\circ C$ $I_O = 1A$ | - | 2 | - | V | |
| Short Circuit Current | I_{SC} | $T_J = +25^\circ C$, $V_I = -35V$ | - | 300 | - | mA | |
| Peak Current | I_{PK} | $T_J = +25^\circ C$ | - | 2.2 | - | A | |

Note

- Load and line regulation are specified at constant junction temperature. Changes in V_O due to heating effects must be taken into account separately. Pulse testing with low duty is used.

Electrical Characteristics (LM7906) (Continued)(V_I = -11V, I_O = 500mA, 0°C ≤ T_J ≤ +125°C, C_I = 2.2μF, C_O = 1μF, unless otherwise specified.)

| Parameter | Symbol | Conditions | Min. | Typ. | Max. | Unit | |
|---|---------------------|--|------------------------------|------|-------|-------|----|
| Output Voltage | V _O | T _J = +25°C | -5.75 | -6 | -6.25 | V | |
| | | I _O = 5mA to 1A, P _O ≤ 15W V _I = -9V to -21V | -5.7 | -6 | -6.3 | | |
| Line Regulation (Note1) | ΔV _O | T _J = +25°C | V _I = -8V to -25V | - | 10 | 120 | mV |
| | | | V _I = -9V to -13V | - | 5 | 60 | |
| Load Regulation (Note1) | ΔV _O | T _J = +25°C I _O = 5mA to 1.5A | - | 10 | 120 | mV | |
| | | T _J = +25°C I _O = 250mA to 750mA | - | 3 | 60 | | |
| Quiescent Current | I _Q | T _J = +25°C | - | 3 | 6 | mA | |
| Quiescent Current Change | ΔI _Q | I _O = 5mA to 1A | - | 0.05 | 0.5 | mA | |
| | | V _I = -8V to -25V | - | 0.1 | 1.3 | | |
| Temperature Coefficient of V _D | ΔV _O /ΔT | I _O = 5mA | - | -0.5 | - | mV/°C | |
| Output Noise Voltage | V _N | f = 10Hz to 100kHz T _A = +25°C | - | 130 | - | μV | |
| Ripple Rejection | RR | f = 120Hz ΔV _I = 10V | 54 | 60 | - | dB | |
| Dropout Voltage | V _D | T _J = +25°C I _O = 1A | - | 2 | - | V | |
| Short Circuit Current | I _{SC} | T _J = +25°C, V _I = -35V | - | 300 | - | mA | |
| Peak Current | I _{PK} | T _J = +25°C | - | 2.2 | - | A | |

Note

1. Load and line regulation are specified at constant junction temperature. Changes in V_O due to heating effects must be taken into account separately. Pulse testing with low duty is used.

Electrical Characteristics (LM7908) (Continued)(V_I = -14V, I_O = 500mA, 0°C ≤ T_J ≤ +125°C, C_I = 2.2μF, C_O = 1μF, unless otherwise specified.)

| Parameter | Symbol | Conditions | Min. | Typ. | Max. | Unit | |
|---|---------------------|---|---------------------------------|------|------|-------|----|
| Output Voltage | V _O | T _J = +25°C | -7.7 | -8 | -8.3 | V | |
| | | I _O = 5mA to 1A, P _O ≤ 15W V _I = -10V to -23V | -7.6 | -8 | -8.4 | | |
| Line Regulation (Note1) | ΔV _O | T _J = +25°C | V _I = -10.5V to -25V | - | 10 | 160 | mV |
| | | | V _I = -11V to -17V | - | 5 | 80 | |
| Load Regulation (Note1) | ΔV _O | T _J = +25°C I _O = 5mA to 1.5A | - | 12 | 160 | mV | |
| | | T _J = +25°C I _O = 250mA to 750mA | - | 4 | 80 | | |
| Quiescent Current | I _Q | T _J = +25°C | - | 3 | 6 | mA | |
| Quiescent Current Change | ΔI _Q | I _O = 5mA to 1A | - | 0.05 | 0.5 | mA | |
| | | V _I = -10.5V to -25V | - | 0.1 | 1 | | |
| Temperature Coefficient of V _D | ΔV _O /ΔT | I _O = 5mA | - | -0.6 | - | mV/°C | |
| Output Noise Voltage | V _N | f = 10Hz to 100kHz T _A = +25°C | - | 175 | - | μV | |
| Ripple Rejection | RR | f = 120Hz ΔV _I = 10V | 54 | 60 | - | dB | |
| Dropout Voltage | V _D | T _J = +25°C I _O = 1A | - | 2 | - | V | |
| Short Circuit Current | I _{SC} | T _J = +25°C, V _I = -35V | - | 300 | - | mA | |
| Peak Current | I _{PK} | T _J = +25°C | - | 2.2 | - | A | |

Note

1. Load and line regulation are specified at constant junction temperature. Changes in V_O due to heating effects must be taken into account separately. Pulse testing with low duty is used.

Electrical Characteristics (LM7909) (Continued)(V_I = -15V, I_O = 500mA, 0°C ≤ T_J ≤ +125°C, C_I = 2.2μF, C_O = 1μF, unless otherwise specified.)

| Parameter | Symbol | Conditions | Min. | Typ. | Max. | Unit | |
|---|---------------------|--|---------------------------------|------|------|-------|----|
| Output Voltage | V _O | T _J = +25°C | -8.7 | -9.0 | -9.3 | V | |
| | | I _O = 5mA to 1A, P _O ≤ 15W V _I = -1.5V to -23V | -8.6 | -9.0 | -9.4 | | |
| Line Regulation (Note1) | ΔV _O | T _J = +25°C | V _I = -11.5V to -26V | - | 10 | 180 | mV |
| | | | V _I = -12V to -18V | - | 5 | 90 | |
| Load Regulation (Note1) | ΔV _O | T _J = +25°C I _O = 5mA to 1.5A | - | 12 | 180 | mV | |
| | | T _J = +25°C I _O = 250mA to 750mA | - | 4 | 90 | | |
| Quiescent Current | I _Q | T _J = +25°C | - | 3 | 6 | mA | |
| Quiescent Current Change | ΔI _Q | I _O = 5mA to 1A | - | 0.05 | 0.5 | mA | |
| | | V _I = -11.5V to -26V | - | 0.1 | 1 | | |
| Temperature Coefficient of V _D | ΔV _O /ΔT | I _O = 5mA | - | -0.6 | - | mV/°C | |
| Output Noise Voltage | V _N | f = 10Hz to 100kHz T _A = +25°C | - | 175 | - | μV | |
| Ripple Rejection | RR | f = 120Hz ΔV _I = 10V | 54 | 60 | - | dB | |
| Dropout Voltage | V _D | T _J = +25°C I _O = 1A | - | 2 | - | V | |
| Short Circuit Current | I _{SC} | T _J = +25°C, V _I = -35V | - | 300 | - | mA | |
| Peak Current | I _{PK} | T _J = +25°C | - | 2.2 | - | A | |

Note:

1. Load and line regulation are specified at constant junction temperature. Changes in V_O due to heating effects must be taken into account separately. Pulse testing with low duty is used.

Electrical Characteristics (LM7910) (Continued)(V_I = -17V, I_O = 500mA, 0°C ≤ T_J ≤ +125°C, C_I = 2.2μF, C_O = 1μF, unless otherwise specified.)

| Parameter | Symbol | Conditions | Min. | Typ. | Max. | Unit | |
|---|---------------------|--|---------------------------------|------|-------|-------|----|
| Output Voltage | V _O | T _J = +25°C | -9.6 | -10 | -10.4 | V | |
| | | I _O = 5mA to 1A, P _d ≤ 15W V _I = -12V to -28 | -9.5 | -10 | -10.5 | | |
| Line Regulation (Note1) | ΔV _O | T _J = +25°C | V _I = -12.5V to -28V | - | 12 | 200 | mV |
| | | | V _I = -14V to -20V | - | 6 | 100 | |
| Load Regulation (Note1) | ΔV _O | T _J = +25°C I _O = 5mA to 1.5A | - | 12 | 200 | mV | |
| | | T _J = +25°C I _O = 250mA to 750mA | - | 4 | 100 | | |
| Quiescent Current | I _Q | T _J = +25°C | - | 3 | 6 | mA | |
| Quiescent Current Change | ΔI _Q | I _O = 5mA to 1A | - | 0.05 | 0.5 | mA | |
| | | V _I = -12.5V to -28V | - | 0.1 | 1 | | |
| Temperature Coefficient of V _O | ΔV _O /ΔT | I _O = 5mA | - | -1 | - | mV/°C | |
| Output Noise Voltage | V _N | 10Hz ≤ f ≤ 100kHz T _A = +25°C | - | 280 | - | μV | |
| Ripple Rejection | RR | f = 120Hz ΔV _I = 10V | 54 | 60 | - | dB | |
| Dropout Voltage | V _D | T _J = +25°C I _O = 1A | - | 2 | - | V | |
| Short Circuit Current | I _{SC} | T _J = +25°C, V _I = -35V | - | 300 | - | mA | |
| Peak Current | I _{PK} | T _J = +25°C | - | 2.2 | - | A | |

Note:

1. Load and line regulation are specified at constant junction temperature. Changes in V_O due to heating effects must be taken into account separately. Pulse testing with low duty is used.

Electrical Characteristics (LM7912) (Continued)(V_I = -19V, I_O = 500mA, 0°C ≤ T_J ≤ +125°C, C_I = 2.2μF, C_O = 1μF, unless otherwise specified.)

| Parameter | Symbol | Conditions | Min. | Typ. | Max. | Unit | |
|---|---------------------|---|---------------------------------|------|-------|-------|----|
| Output Voltage | V _O | T _J = +25°C | -11.5 | -12 | -12.5 | V | |
| | | I _O = 5mA to 1A, P _O ≤ 15W V _I = -15.5V to -27V | -11.4 | -12 | -12.6 | | |
| Line Regulation (Note1) | ΔV _O | T _J = +25°C | V _I = -14.5V to -30V | - | 12 | 240 | mV |
| | | | V _I = -16V to -22V | - | 6 | 120 | |
| Load Regulation (Note1) | ΔV _O | T _J = +25°C I _O = 5mA to 1.5A | - | 12 | 240 | mV | |
| | | T _J = +25°C I _O = 250mA to 750mA | - | 4 | 120 | | |
| Quiescent Current | I _Q | T _J = +25°C | - | 3 | 6 | mA | |
| Quiescent Current Change | ΔI _Q | I _O = 5mA to 1A | - | 0.05 | 0.5 | mA | |
| | | V _I = -14.5V to -30V | - | 0.1 | 1 | | |
| Temperature Coefficient of V _D | ΔV _O /ΔT | I _O = 5mA | - | -0.8 | - | mV/°C | |
| Output Noise Voltage | V _N | f = 10Hz to 100kHz T _A = +25°C | - | 200 | - | μV | |
| Ripple Rejection | RR | f = 120Hz ΔV _I = 10V | 54 | 60 | - | dB | |
| Dropout Voltage | V _D | T _J = +25°C I _O = 1A | - | 2 | - | V | |
| Short Circuit Current | I _{SC} | T _J = +25°C, V _I = -35V | - | 300 | - | mA | |
| Peak Current | I _{PK} | T _J = +25°C | - | 2.2 | - | A | |

Note:

1. Load and line regulation are specified at constant junction temperature. Changes in V_O due to heating effects must be taken into account separately. Pulse testing with low duty is used.

Electrical Characteristics (LM7915) (Continued)(V_I = -23V, I_O = 500mA, 0°C ≤ T_J ≤ +125°C, C_I = 2.2μF, C_O = 1μF, unless otherwise specified.)

| Parameter | Symbol | Conditions | Min. | Typ. | Max. | Unit | |
|---|---------------------|---|---------------------------------|------|--------|-------|----|
| Output Voltage | V _O | T _J = +25°C | -14.4 | -15 | -15.6 | V | |
| | | I _O = 5mA to 1A, P _O ≤ 15W V _I = -18V to -30V | -14.25 | -15 | -15.75 | | |
| Line Regulation (Note1) | ΔV _O | T _J = +25°C | V _I = -17.5V to -30V | - | 12 | 300 | mV |
| | | | V _I = -20V to -26V | - | 6 | 150 | |
| Load Regulation (Note1) | ΔV _O | T _J = +25°C I _O = 5mA to 1.5A | - | 12 | 300 | mV | |
| | | T _J = +25°C I _O = 250mA to 750mA | - | 4 | 150 | | |
| Quiescent Current | I _Q | T _J = +25°C | - | 3 | 6 | mA | |
| Quiescent Current Change | ΔI _Q | I _O = 5mA to 1A | - | 0.05 | 0.5 | mA | |
| | | V _I = -17.5V to -30V | - | 0.1 | 1 | | |
| Temperature Coefficient of V _D | ΔV _O /ΔT | I _O = 5mA | - | -0.9 | - | mV/°C | |
| Output Noise Voltage | V _N | f = 10Hz to 100kHz T _A = +25°C | - | 250 | - | μV | |
| Ripple Rejection | RR | f = 120Hz ΔV _I = 10V | 54 | 60 | - | dB | |
| Dropout Voltage | V _D | T _J = +25°C I _O = 1A | - | 2 | - | V | |
| Short Circuit Current | I _{SC} | T _J = +25°C, V _I = -35V | - | 300 | - | mA | |
| Peak Current | I _{PK} | T _J = +25°C | - | 2.2 | - | A | |

Note:

1. Load and line regulation are specified at constant junction temperature. Changes in V_O due to heating effects must be taken into account separately. Pulse testing with low duty is used.

Electrical Characteristics (LM7918) (Continued)(V_I = -27V, I_O = 500mA, 0°C ≤ T_J ≤ +125°C, C_I = 2.2μF, C_O = 1μF, unless otherwise specified.)

| Parameter | Symbol | Conditions | Min. | Typ. | Max. | Unit | |
|---|---------------------|---|-------------------------------|------|-------|-------|----|
| Output Voltage | V _O | T _J = +25°C | -17.3 | -18 | -18.7 | V | |
| | | I _O = 5mA to 1A, P _O ≤ 15W V _I = -22.5V to -33V | -17.1 | -18 | -18.9 | | |
| Line Regulation (Note1) | ΔV _O | T _J = +25°C | V _I = -21V to -33V | - | 15 | 360 | mV |
| | | | V _I = -24V to -30V | - | 8 | 180 | |
| Load Regulation (Note1) | ΔV _O | T _J = +25°C I _O = 5mA to 1.5A | | - | 15 | 360 | mV |
| | | T _J = +25°C I _O = 250mA to 750mA | | - | 5 | 180 | |
| Quiescent Current | I _Q | T _J = +25°C | - | 3 | 6 | mA | |
| Quiescent Current Change | ΔI _Q | I _O = 5mA to 1A | - | 0.05 | 0.5 | mA | |
| | | V _I = -21V to -33V | - | 0.1 | 1 | | |
| Temperature Coefficient of V _D | ΔV _O /ΔT | I _O = 5mA | - | -1 | - | mV/°C | |
| Output Noise Voltage | V _N | f = 10Hz to 100kHz T _A = +25°C | - | 300 | - | μV | |
| Ripple Rejection | RR | f = 120Hz ΔV _I = 10V | 54 | 60 | - | dB | |
| Dropout Voltage | V _D | T _J = +25°C I _O = 1A | - | 2 | - | V | |
| Short Circuit Current | I _{SC} | T _J = +25°C, V _I = -35V | - | 300 | - | mA | |
| Peak Current | I _{PK} | T _J = +25°C | - | 2.2 | - | A | |

Note:

1. Load and line regulation are specified at constant junction temperature. Changes in V_O due to heating effects must be taken into account separately. Pulse testing with low duty is used.

Electrical Characteristics (LM7924) (Continued)(V_I = -33V, I_O = 500mA, 0°C ≤ T_J ≤ +125°C, C_I = 2.2μF, C_O = 1μF, unless otherwise specified.)

| Parameter | Symbol | Conditions | Min. | Typ. | Max. | Unit | |
|---|---------------------|---|-------------------------------|------|-------|-------|----|
| Output Voltage | V _O | T _J = +25°C | -23 | -24 | -25 | V | |
| | | I _O = 5mA to 1A, P _O ≤ 15W V _I = -27V to -38V | -22.8 | -24 | -25.2 | | |
| Line Regulation (Note1) | ΔV _O | T _J = +25°C | V _I = -27V to -38V | - | 15 | 480 | mV |
| | | | V _I = -30V to -36V | - | 8 | 180 | |
| Load Regulation (Note1) | ΔV _O | T _J = +25°C I _O = 5mA to 1.5A | - | 15 | 480 | mV | |
| | | T _J = +25°C I _O = 250mA to 750mA | - | 5 | 240 | | |
| Quiescent Current | I _Q | T _J = +25°C | - | 3 | 6 | mA | |
| Quiescent Current Change | ΔI _Q | I _O = 5mA to 1A | - | 0.05 | 0.5 | mA | |
| | | V _I = -27V to -38V | - | 0.1 | 1 | | |
| Temperature Coefficient of V _D | ΔV _O /ΔT | I _O = 5mA | - | -1 | - | mV/°C | |
| Output Noise Voltage | V _N | f = 10Hz to 100kHz T _A = +25°C | - | 400 | - | μV | |
| Ripple Rejection | RR | f = 120Hz ΔV _I = 10V | 54 | 60 | - | dB | |
| Dropout Voltage | V _D | T _J = +25°C I _O = 1A | - | 2 | - | V | |
| Short Circuit Current | I _{SC} | T _J = +25°C, V _I = -35V | - | 300 | - | mA | |
| Peak Current | I _{PK} | T _J = +25°C | - | 2.2 | - | A | |

Note:

1. Load and line regulation are specified at constant junction temperature. Changes in V_O due to heating effects must be taken into account separately. Pulse testing with low duty is used.

Typical Performance Characteristics

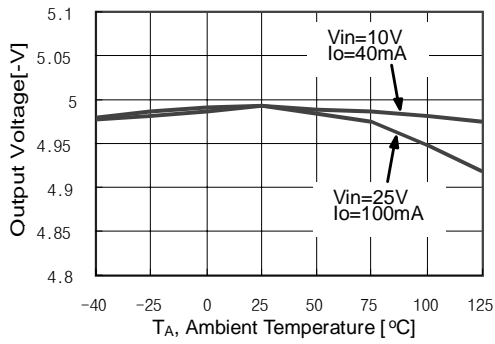


Figure 1. Output Voltage

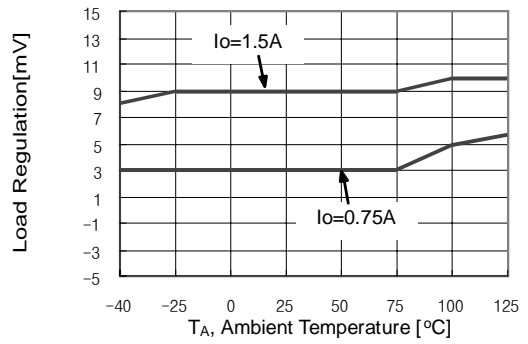


Figure 2. Load Regulation

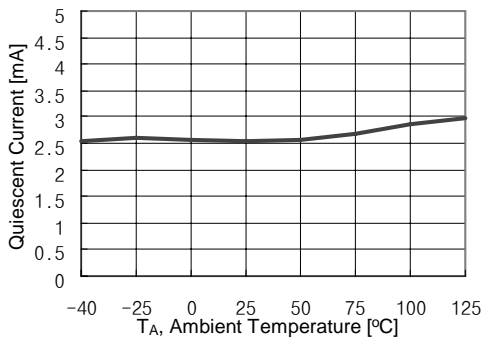


Figure 3. Quiescent Current

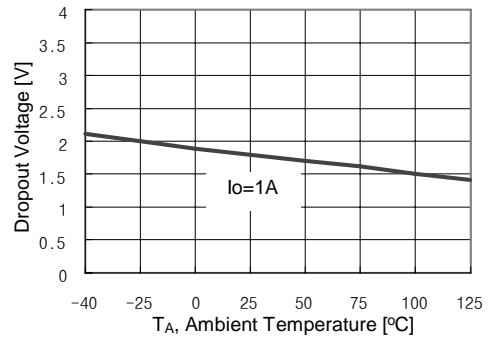


Figure 4. Dropout Voltage

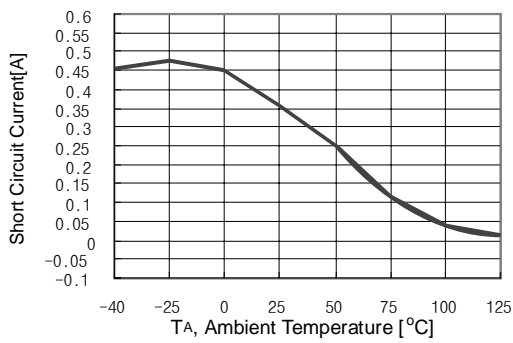


Figure 5. Short Circuit Current

Typical Applications

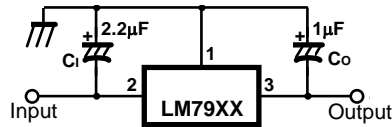


Figure 6. Negative Fixed output regulator

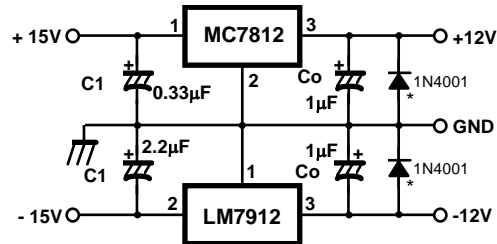


Figure 7. Split power supply (± 12V/1A)

Notes:

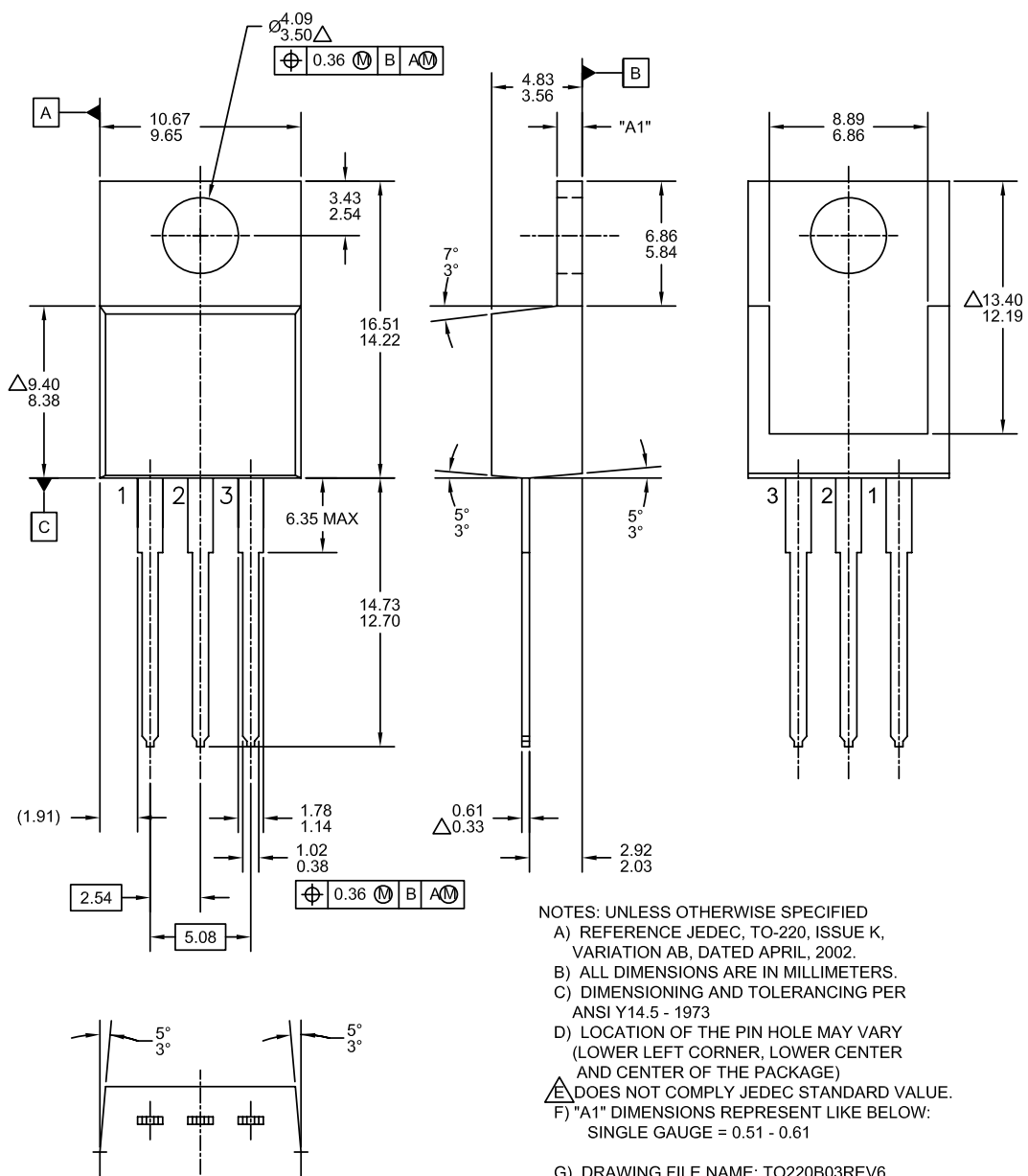
- (1) To specify an output voltage, substitute voltage value for "XX "
- (2) Required for stability. For value given, capacitor must be solid tantalum. If aluminium electrolytics are used, at least ten times value shown should be selected. C₁ is required if regulator is located an appreciable distance from power supply filter.
- (3) To improve transient response. If large capacitors are used, a high current diode from input to output (1N4001 or similar) should be introduced to protect the device from momentary input short circuit.

Mechanical Dimensions

Package

Dimensions in millimeters

TO-220 [SINGLE GAUGE]



Ordering Information

| Product Number | Output Voltage Tolerance | Package | Operating Temperature |
|----------------|--------------------------|--------------------------|-----------------------|
| LM7905CT | ±4% | TO-220 (Single Gauge) | 0 ~ +125°C |
| LM7906CT | | | |
| LM7908CT | | | |
| LM7909CT | | | |
| LM7910CT | | | |
| LM7912CT | | | |
| LM7915CT | | | |
| LM7918CT | | | |
| LM7924CT | | | |

DISCLAIMER

FAIRCHILD SEMICONDUCTOR RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE TO ANY PRODUCTS HEREIN TO IMPROVE RELIABILITY, FUNCTION OR DESIGN. FAIRCHILD DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE APPLICATION OR USE OF ANY PRODUCT OR CIRCUIT DESCRIBED HEREIN; NEITHER DOES IT CONVEY ANY LICENSE UNDER ITS PATENT RIGHTS, NOR THE RIGHTS OF OTHERS.

LIFE SUPPORT POLICY

FAIRCHILD'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE PRESIDENT OF FAIRCHILD SEMICONDUCTOR CORPORATION. As used herein:

1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.
2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Fairchild Semiconductor:](#)

[LM7915CT](#)