

Description

The GM6251's combine high accuracy with very low power consumption, providing high output current even when the application requires extremely low input-output voltage differential.

The GM6251's include a precision voltage reference, an error correction circuit, over-temperature protection, and a current limited output driver. Fast transient response to load variations provides excellent stability under dynamic load conditions.

The GM6251's come in SOT-25 (150mW), SOT-89 (500mW) and TO-92 packages.

Features

- ◆ Maximum output current 250mA (within maximum power dissipation)
- ◆ Output voltage: from 1.8 V to 6.0V in 0.1V increments
- ◆ Output voltage $\pm 2\%$
- ◆ CMOS low power consumption, typically 1.0 μ A at $V_{OUT} = 5.0V$
- ◆ Input stability typically 0.2%/V
- ◆ Ultra-low dropout voltage 0.38V @ $I_{OUT} = 200mA$ at $V_{OUT} = 5.0V$
- ◆ Small input/ output differential: 0.4V at 160mA ($V_{OUT} = 3.3V$)
- ◆ SOT-25 (150mW), SOT-89 (500mW) and TO-92 packages

Application

Palmtops

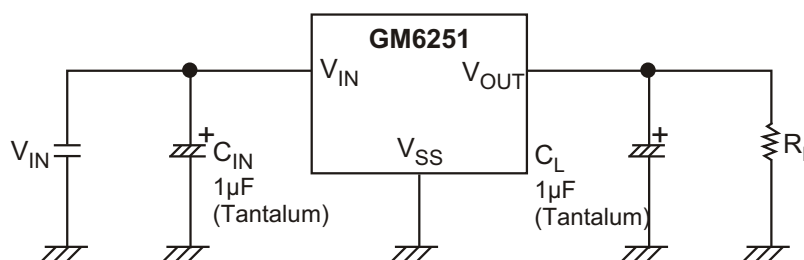
Portable Cameras

Video Recorders

Battery Powered Equipment

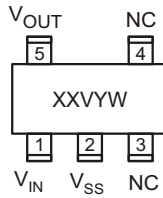
Reference Voltage Sources

TYPICAL APPLICATION CIRCUITS

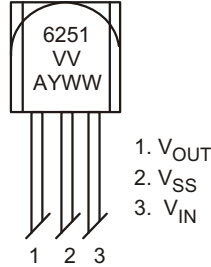


◆ MARKING INFORMATION & PIN CONFIGURATIONS(TOP VIEW)

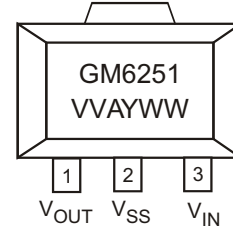
SOT-25(SOT-23-5)



TO-92



SOT-89



XX = Specific Device Code(FA = GM6251)
 V = Voltage Code
 VV = Voltage Suffix (18=1.8V ,50=5.0V)
 A = Assembly Location
 Y = Year
 WW, W= Work Week

◆ ORDERING INFORMATION

| Ordering Number | Output Voltage | Voltage Code | Package | Shipping |
|-----------------|----------------|--------------|---------|-------------------------------|
| GM6251-1.8T92B | 1.8V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-1.8T92RL | 1.8V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-1.8ST25R | 1.8V | E | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-1.8ST89R | 1.8V | | SOT-89 | 1,000 Units/ Tape and Reel |
| GM6251-2.5T92B | 2.5V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-2.5T92RL | 2.5V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-2.5ST25R | 2.5V | G | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-2.5ST89R | 2.5V | | SOT-89 | 1,000 Units/ Tape and Reel |
| GM6251-2.7T92B | 2.7V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-2.7T92RL | 2.7V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-2.7ST25R | 2.7V | T | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-2.7ST89R | 2.7V | | SOT-89 | 1,000 Units/ Tape and Reel |
| GM6251-2.8T92B | 2.8V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-2.8T92RL | 2.8V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-2.8ST25R | 2.8V | H | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-2.8ST89R | 2.8V | | SOT-89 | 1,000 Units/ Tape and Reel |
| GM6251-3.0T92B | 3.0V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-3.0T92RL | 3.0V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-3.0ST25R | 3.0V | J | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-3.0ST89R | 3.0V | | SOT-89 | 1,000 Units/ Tape and Reel |

* For detail Ordering Number identification, please see last page.

◆ ORDERING INFORMATION (Continued)

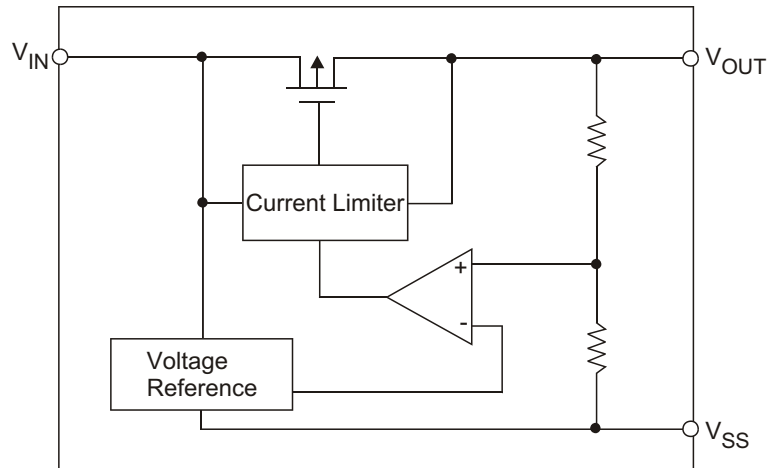
| Ordering Number | Output Voltage | Voltage Code | Package | Shipping |
|-----------------|----------------|--------------|---------|-------------------------------|
| GM6251-3.2T92B | 3.2V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-3.2T92RL | 3.2V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-3.2ST25R | 3.2V | U | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-3.2ST89R | 3.2V | | SOT-89 | 1,000 Units/ Tape and Reel |
| GM6251-3.3T92B | 3.3V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-3.3T92RL | 3.3V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-3.3ST25R | 3.3V | K | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-3.3ST89R | 3.3V | | SOT-89 | 1,000 Units/ Tape and Reel |
| GM6251-3.5T92B | 3.5V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-3.5T92RL | 3.5V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-3.5ST25R | 3.5V | V | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-3.5ST89R | 3.5V | | SOT-89 | 1,000 Units/ Tape and Reel |
| GM6251-3.6T92B | 3.6V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-3.6T92RL | 3.6V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-3.6ST25R | 3.6V | L | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-3.6ST89R | 3.6V | | SOT-89 | 1,000 Units/ Tape and Reel |
| GM6251-4.0T92B | 4.0V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-4.0T92RL | 4.0V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-4.0ST25R | 4.0V | M | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-4.0ST89R | 4.0V | | SOT-89 | 1,000 Units/ Tape and Reel |
| GM6251-4.4T92B | 4.4V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-4.4T92RL | 4.4V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-4.4ST25R | 4.4V | W | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-4.4ST89R | 4.4V | | SOT-89 | 1,000 Units/ Tape and Reel |
| GM6251-4.5T92B | 4.5V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-4.5T92RL | 4.5V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-4.5ST25R | 4.5V | N | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-4.5ST89R | 4.5V | | SOT-89 | 1,000 Units/ Tape and Reel |
| GM6251-5.0T92B | 5.0V | | TO-92 | 1,000 Units/ ESD Bag |
| GM6251-5.0T92RL | 5.0V | | TO-92 | 2,000 Units/ Ammo Pack (Tape) |
| GM6251-5.0ST25R | 5.0V | Q | SOT-25 | 3,000 Units/ Tape and Reel |
| GM6251-5.0ST89R | 5.0V | | SOT-89 | 1,000 Units/ Tape and Reel |

* For detail Ordering Number identification, please see last page.

◆ ABSOLUTE MAXIMUM RATINGS

| PARAMETER | SYMBOL | RATINGS | UNITS |
|-----------------------------------------------|-----------|----------------------------------|-------|
| Input Voltage | V_{IN} | 12 | V |
| Output Voltage | V_{OUT} | $V_{SS} - 0.3 \sim V_{IN} + 0.3$ | V |
| Output Current | I_{OUT} | 500 | mA |
| Continuous Total Power Dissipation (SOT - 89) | P_D | 500 | mW |
| Operating Ambient Temperature | T_{opr} | -30 ~ +80 | °C |
| Storage Temperature | T_{stg} | -40 ~ +125 | °C |

◆ BLOCK DIAGRAM



◆ **ELECTRICAL CHARACTERISTICS** ($T_A = 25^\circ\text{C}$ unless otherwise noted)

| Parameter | Symbol | Condition | Min | Typ | Max | Unit | Circuit | |
|------------------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------|-------|-------|-------|---------|------------------------------------------------------------------|
| Output Voltage | GM6251-1.8V | $V_{\text{OUT(E)}}^{(\text{Note 2})}$ | $I_{\text{OUT}}=40\text{mA},$ $V_{\text{IN}} > V_{\text{Drop}} + V_{\text{OUT}}$ | 1.764 | 1.800 | 1.836 | V | 1 |
| | GM6251-2.5V | | | 2.450 | 2.500 | 2.550 | | |
| | GM6251-2.7V | | | 2.646 | 2.700 | 2.754 | | |
| | GM6251-2.8V | | | 2.744 | 2.800 | 2.856 | | |
| | GM6251-3.0V | | | 2.940 | 3.000 | 3.060 | | |
| | GM6251-3.2V | | | 3.136 | 3.200 | 3.264 | | |
| | GM6251-3.3V | | | 3.234 | 3.300 | 3.366 | | |
| | GM6251-3.5V | | | 3.430 | 3.500 | 3.570 | | |
| | GM6251-3.6V | | | 3.528 | 3.600 | 3.672 | | |
| | GM6251-4.0V | | | 3.920 | 4.000 | 4.080 | | |
| | GM6251-4.4V | | | 4.312 | 4.400 | 4.488 | | |
| | GM6251-4.5V | | | 4.410 | 4.500 | 4.590 | | |
| | GM6251-5.0V | | | 4.900 | 5.000 | 5.100 | | |
| Maximum Output Current | GM6251-1.8V | $I_{\text{OUT max}}$ | 250 | | | mA | 1 | |
| | GM6251-2.5V | | | | | | | $V_{\text{IN}}=3.0\text{V}, V_{\text{OUT(E)}} \geq 1.62\text{V}$ |
| | GM6251-2.7V | | | | | | | $V_{\text{IN}}=4.0\text{V}, V_{\text{OUT(E)}} \geq 2.3\text{V}$ |
| | GM6251-2.8V | | | | | | | $V_{\text{IN}}=4.0\text{V}, V_{\text{OUT(E)}} \geq 2.43\text{V}$ |
| | GM6251-3.0V | | | | | | | $V_{\text{IN}}=4.0\text{V}, V_{\text{OUT(E)}} \geq 2.52\text{V}$ |
| | GM6251-3.2V | | | | | | | $V_{\text{IN}}=4.0\text{V}, V_{\text{OUT(E)}} \geq 2.7\text{V}$ |
| | GM6251-3.3V | | | | | | | $V_{\text{IN}}=4.0\text{V}, V_{\text{OUT(E)}} \geq 2.88\text{V}$ |
| | GM6251-3.5V | | | | | | | $V_{\text{IN}}=4.0\text{V}, V_{\text{OUT(E)}} \geq 2.97\text{V}$ |
| | GM6251-3.6V | | | | | | | $V_{\text{IN}}=5.0\text{V}, V_{\text{OUT(E)}} \geq 3.15\text{V}$ |
| | GM6251-4.0V | | | | | | | $V_{\text{IN}}=5.0\text{V}, V_{\text{OUT(E)}} \geq 3.24\text{V}$ |
| | GM6251-4.4V | | | | | | | $V_{\text{IN}}=5.0\text{V}, V_{\text{OUT(E)}} \geq 3.6\text{V}$ |
| | GM6251-4.5V | | | | | | | $V_{\text{IN}}=6.0\text{V}, V_{\text{OUT(E)}} \geq 3.96\text{V}$ |
| | GM6251-5.0V | | | | | | | $V_{\text{IN}}=6.0\text{V}, V_{\text{OUT(E)}} \geq 4.05\text{V}$ |

◆ ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise noted)

| Parameter | | Symbol | Condition | Min | Typ | Max | Unit | Circuit |
|----------------------------------------------|-------------|--------------------------|-----------------------------------------------------------------|-----|-----|------|------|---------|
| Load Stability | GM6251-1.8V | V_{OUT} | $V_{IN}=2.8\text{V}, 1\text{mA} \leq I_{OUT} \leq 60\text{mA}$ | | 45 | 90 | mV | 1 |
| | GM6251-2.5V | | $V_{IN}=3.5\text{V}, 1\text{mA} \leq I_{OUT} \leq 80\text{mA}$ | | 45 | 90 | | |
| | GM6251-2.7V | | $V_{IN}=3.7\text{V}, 1\text{mA} \leq I_{OUT} \leq 80\text{mA}$ | | 45 | 90 | | |
| | GM6251-2.8V | | $V_{IN}=3.8\text{V}, 1\text{mA} \leq I_{OUT} \leq 80\text{mA}$ | | 45 | 90 | | |
| | GM6251-3.0V | | $V_{IN}=4.0\text{V}, 1\text{mA} \leq I_{OUT} \leq 80\text{mA}$ | | 45 | 90 | | |
| | GM6251-3.2V | | $V_{IN}=4.2\text{V}, 1\text{mA} \leq I_{OUT} \leq 80\text{mA}$ | | 45 | 90 | | |
| | GM6251-3.3V | | $V_{IN}=4.3\text{V}, 1\text{mA} \leq I_{OUT} \leq 100\text{mA}$ | | 45 | 90 | | |
| | GM6251-3.5V | | $V_{IN}=4.5\text{V}, 1\text{mA} \leq I_{OUT} \leq 100\text{mA}$ | | 45 | 90 | | |
| | GM6251-3.6V | | $V_{IN}=4.6\text{V}, 1\text{mA} \leq I_{OUT} \leq 100\text{mA}$ | | 45 | 90 | | |
| | GM6251-4.0V | | $V_{IN}=5.0\text{V}, 1\text{mA} \leq I_{OUT} \leq 100\text{mA}$ | | 40 | 80 | | |
| | GM6251-4.4V | | $V_{IN}=5.4\text{V}, 1\text{mA} \leq I_{OUT} \leq 100\text{mA}$ | | 40 | 80 | | |
| | GM6251-4.5V | | $V_{IN}=5.5\text{V}, 1\text{mA} \leq I_{OUT} \leq 100\text{mA}$ | | 40 | 80 | | |
| | GM6251-5.0V | | $V_{IN}=6.0\text{V}, 1\text{mA} \leq I_{OUT} \leq 100\text{mA}$ | | 40 | 80 | | |
| Input - Output Voltage Differential (Note 3) | GM6251-1.8V | Vdif1 | $I_{OUT} = 60\text{mA}$ | | 180 | 360 | mV | 1 |
| | | Vdif2 | $I_{OUT} = 160\text{mA}$ | | 900 | 1300 | | |
| | GM6251-2.5V | Vdif1 | $I_{OUT} = 80\text{mA}$ | | 180 | 360 | | |
| | | Vdif2 | $I_{OUT} = 160\text{mA}$ | | 550 | 850 | | |
| | GM6251-2.7V | Vdif1 | $I_{OUT} = 80\text{mA}$ | | 180 | 360 | | |
| | | Vdif2 | $I_{OUT} = 160\text{mA}$ | | 400 | 700 | | |
| | GM6251-2.8V | Vdif1 | $I_{OUT} = 80\text{mA}$ | | 180 | 360 | | |
| | | Vdif2 | $I_{OUT} = 160\text{mA}$ | | 400 | 700 | | |
| | GM6251-3.0V | Vdif1 | $I_{OUT} = 80\text{mA}$ | | 180 | 360 | | |
| | | Vdif2 | $I_{OUT} = 160\text{mA}$ | | 400 | 700 | | |
| | GM6251-3.2V | Vdif1 | $I_{OUT} = 80\text{mA}$ | | 180 | 360 | | |
| | | Vdif2 | $I_{OUT} = 160\text{mA}$ | | 400 | 700 | | |
| | GM6251-3.3V | Vdif1 | $I_{OUT} = 100\text{mA}$ | | 170 | 330 | | |
| | | Vdif2 | $I_{OUT} = 200\text{mA}$ | | 400 | 630 | | |
| | GM6251-3.5V | Vdif1 | $I_{OUT} = 100\text{mA}$ | | 120 | 300 | | |
| | | Vdif2 | $I_{OUT} = 200\text{mA}$ | | 380 | 600 | | |
| | GM6251-3.6V | Vdif1 | $I_{OUT} = 100\text{mA}$ | | 120 | 300 | | |
| | | Vdif2 | $I_{OUT} = 200\text{mA}$ | | 380 | 600 | | |
| | GM6251-4.0V | Vdif1 | $I_{OUT} = 100\text{mA}$ | | 170 | 330 | | |
| | | Vdif2 | $I_{OUT} = 200\text{mA}$ | | 400 | 630 | | |
| GM6251-4.4V | Vdif1 | $I_{OUT} = 100\text{mA}$ | | 120 | 300 | | | |
| | Vdif2 | $I_{OUT} = 200\text{mA}$ | | 380 | 600 | | | |
| GM6251-4.5V | Vdif1 | $I_{OUT} = 100\text{mA}$ | | 120 | 300 | | | |
| | Vdif2 | $I_{OUT} = 200\text{mA}$ | | 380 | 600 | | | |
| GM6251-5.0V | Vdif1 | $I_{OUT} = 100\text{mA}$ | | 120 | 300 | | | |
| | Vdif2 | $I_{OUT} = 200\text{mA}$ | | 380 | 600 | | | |

◆ ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise noted)

| Parameter | | Symbol | Condition | Min | Typ | Max | Unit | Circuit |
|--------------------------------------------|-------------|-----------------------------------------|-----------------------------------------------------------------------------------|-----|-----------|-----|-----------------------|---------|
| Supply Current | GM6251-1.8V | I_{SS} | $V_{IN} = 2.8\text{V}$ | | 1.0 | 2.9 | μA | 2 |
| | GM6251-2.5V | | $V_{IN} = 3.5\text{V}$ | | | | | |
| | GM6251-2.7V | | $V_{IN} = 3.7\text{V}$ | | | | | |
| | GM6251-2.8V | | $V_{IN} = 3.8\text{V}$ | | | | | |
| | GM6251-3.0V | | $V_{IN} = 4.0\text{V}$ | | | | | |
| | GM6251-3.2V | | $V_{IN} = 4.2\text{V}$ | | | | | |
| | GM6251-3.3V | | $V_{IN} = 4.3\text{V}$ | | | | | |
| | GM6251-3.5V | | $V_{IN} = 4.5\text{V}$ | | | | | |
| | GM6251-3.6V | | $V_{IN} = 4.6\text{V}$ | | | | | |
| | GM6251-4.0V | | $V_{IN} = 5.0\text{V}$ | | | | | |
| | GM6251-4.4V | | $V_{IN} = 5.4\text{V}$ | | | | | |
| | GM6251-4.5V | | $V_{IN} = 5.5\text{V}$ | | | | | |
| | GM6251-5.0V | | $V_{IN} = 6.0\text{V}$ | | | | | |
| Output Current Limit | | | | | 500 | | mA | - |
| Input Stability | GM6251-1.8V | $\frac{V_{OUT}}{V_{IN} \cdot V_{OUT}}$ | $I_{OUT} = 40\text{mA}$ $2.8\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | 0.2 | 0.3 | %/V | 1 |
| | GM6251-2.5V | | $I_{OUT} = 40\text{mA}$ $3.5\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | | | | |
| | GM6251-2.7V | | $I_{OUT} = 40\text{mA}$ $3.7\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | | | | |
| | GM6251-2.8V | | $I_{OUT} = 40\text{mA}$ $3.8\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | | | | |
| | GM6251-3.0V | | $I_{OUT} = 40\text{mA}$ $4.0\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | | | | |
| | GM6251-3.2V | | $I_{OUT} = 40\text{mA}$ $4.2\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | | | | |
| | GM6251-3.3V | | $I_{OUT} = 40\text{mA}$ $4.3\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | | | | |
| | GM6251-3.5V | | $I_{OUT} = 40\text{mA}$ $4.5\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | | | | |
| | GM6251-3.6V | | $I_{OUT} = 40\text{mA}$ $4.6\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | | | | |
| | GM6251-4.0V | | $I_{OUT} = 40\text{mA}$ $5.0\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | | | | |
| | GM6251-4.4V | | $I_{OUT} = 40\text{mA}$ $5.4\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | | | | |
| | GM6251-4.5V | | $I_{OUT} = 40\text{mA}$ $5.5\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | | | | |
| | GM6251-5.0V | | $I_{OUT} = 40\text{mA}$ $6.0\text{V} \leq V_{IN} \leq 10.0\text{V}$ | | | | | |
| Input Voltage | | V_{IN} | | | | 10 | V | - |
| Output Voltage Temperature Characteristics | | $\frac{V_{OUT}}{T_{opr} \cdot V_{OUT}}$ | $I_{OUT} = 10\text{mA}$ $-30^\circ\text{C} \leq T_{opr} \leq 80^\circ\text{C}$ | | ± 100 | | ppm/ $^\circ\text{C}$ | 1 |

Note: 1. $V_{OUT}(T)$ = Specified Output Voltage

2. $V_{OUT}(E)$ = Effective Output Voltage (the output voltage when " $V_{OUT}(T) + 1.0\text{V}$ " is provided at the V_{IN} pin while maintaining a certain I_{OUT} value)

3. $V_{dif} = \{V_{IN1}(\text{Note 4}) - V_{OUT}(E)\}$

4. V_{IN1} = The input voltage at the time 98% of $V_{OUT}(E)$ is output (input voltage has been gradually reduced).

* Output Voltage from 1.8V to 6.0V in 0.1V increments are available

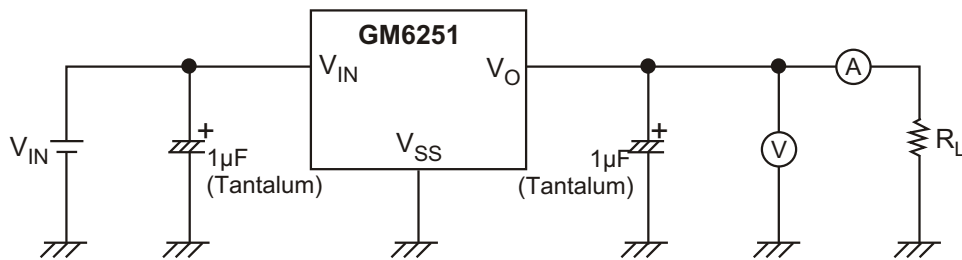
◆ DIRECTIONS FOR USE

Notes on Use

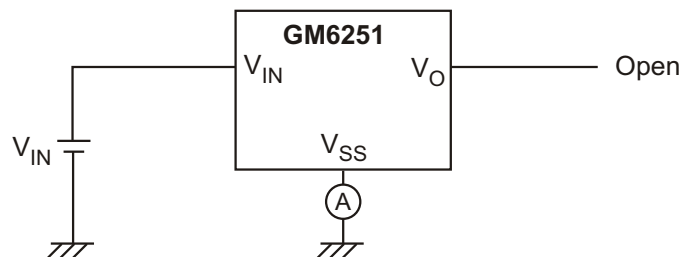
1. Please use this IC within the stipulated absolute maximum ratings as the IC is liable to malfunction outside of such parameters.
2. There is a possibility that oscillation may occur as a result of the impedance present between the power supply and the IC's input. Where impedance is 10Ω or more, please use a capacitor (C_{IN}) of at least 1μF.
With a large output current, operations can be stabilised by increasing capacitor size (C_{IN}). If C_{IN} is small and capacitor size (C_L) is increased, there is a possibility of oscillation due to input impedance. In such cases, operations can be stabilised by either increasing the size of C_{IN} or decreasing the size of C_L .
3. Please ensure that output current (I_{OUT}) is less than $P_d \div (V_{IN} - V_{OUT})$ and does not exceed the stipulated continuous total power dissipation value (P_d) for the package.

◆ TEST CIRCUIT

Circuit 1



Circuit 2



◆ PERFORMANCE CHARACTERISTICS FOR GM6251 - 3.0

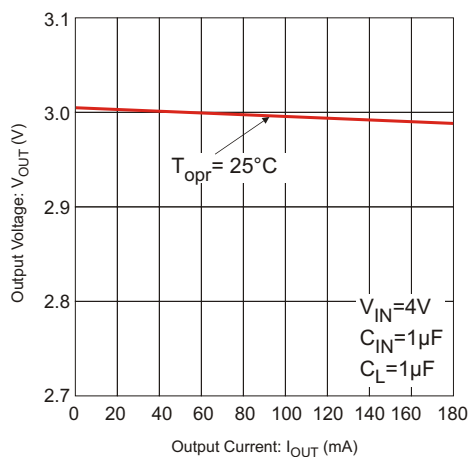


Figure 1: Output Voltage vs. Output Current

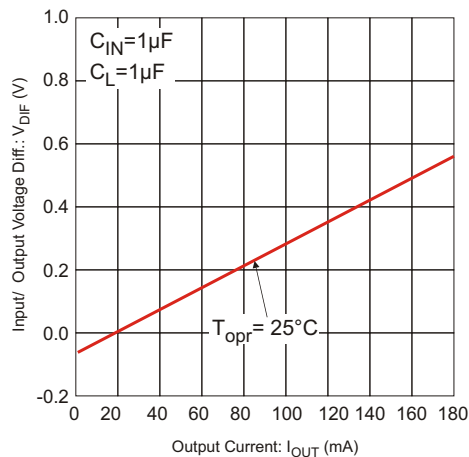


Figure 2: Input/ Output Voltage differential vs. Output Current

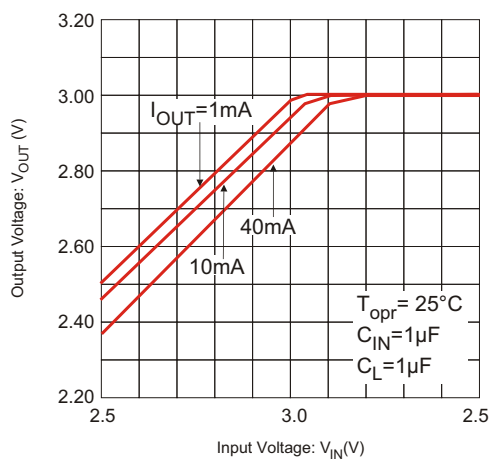


Figure 3: Output Voltage vs. Input voltage

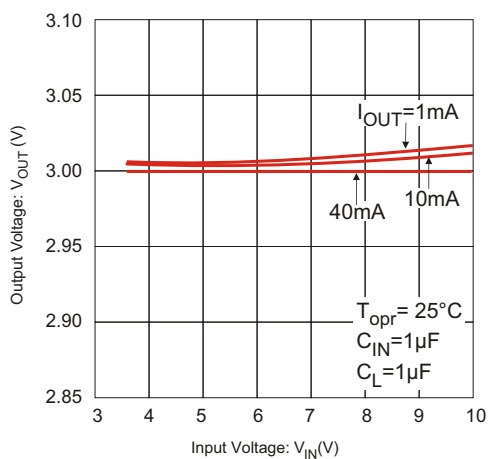


Figure 4: Output Voltage vs. Input voltage

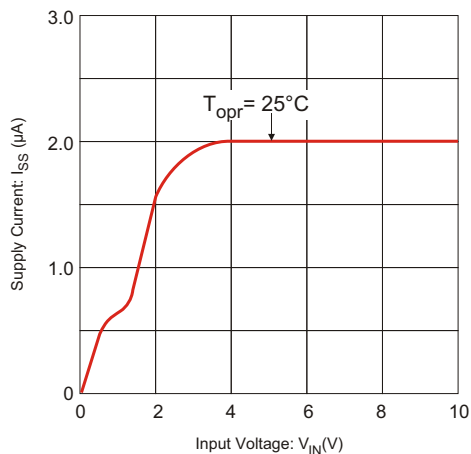


Figure 5: Supply Current vs. Input Voltage

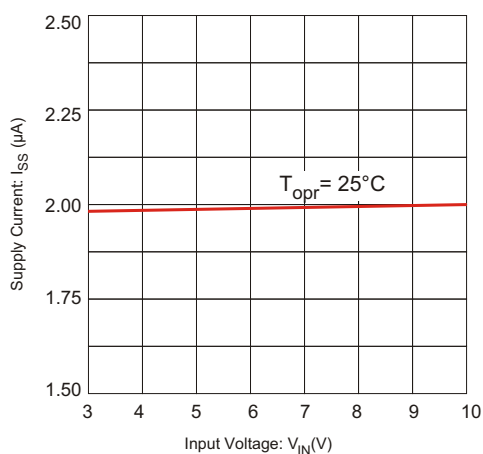


Figure 6: Supply Current vs. Input Voltage

◆ PERFORMANCE CHARACTERISTICS FOR GM6251-3.0

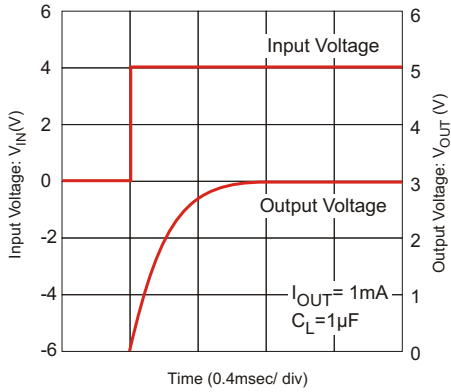


Figure 7: Input Transient Response 1

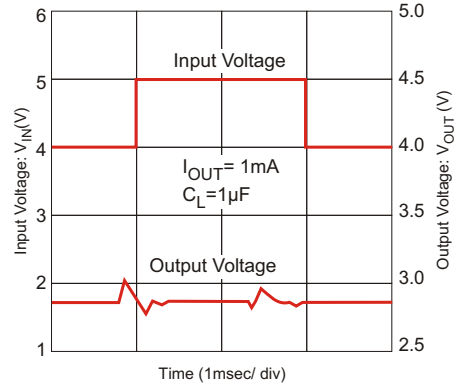


Figure 8: Input Transient Response 2

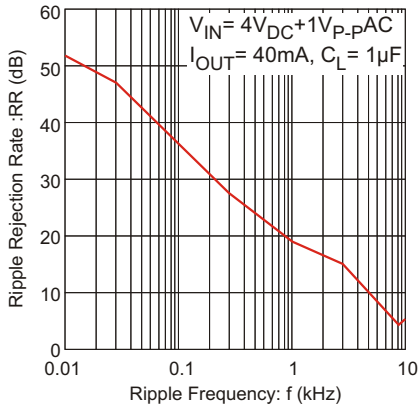
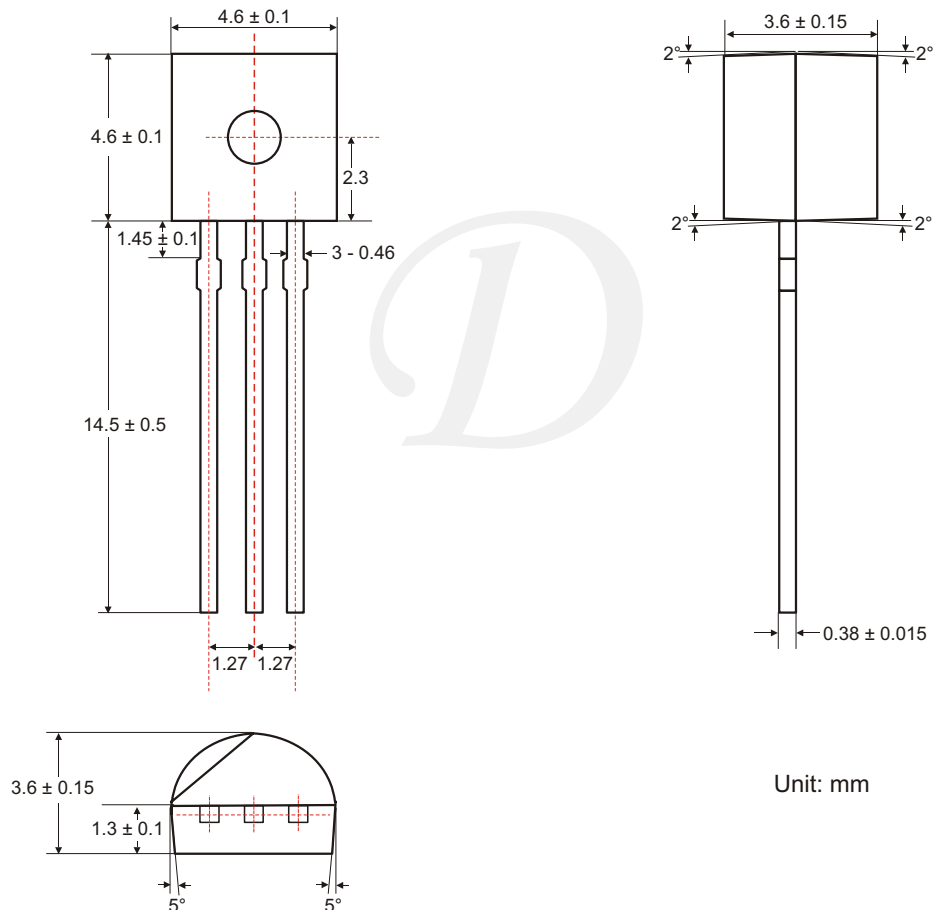


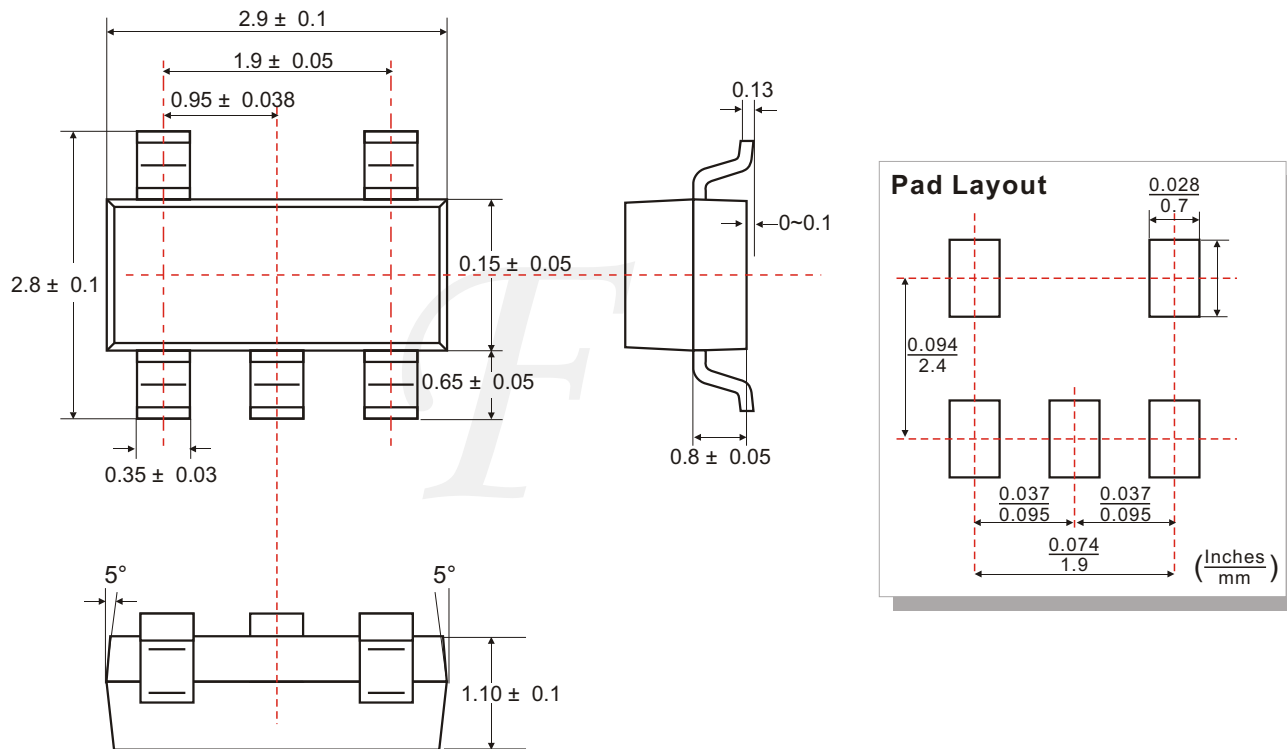
Figure 9: Ripple Rejection Rate

◆ TO-92 PACKAGE OUTLINE DIMENSIONS

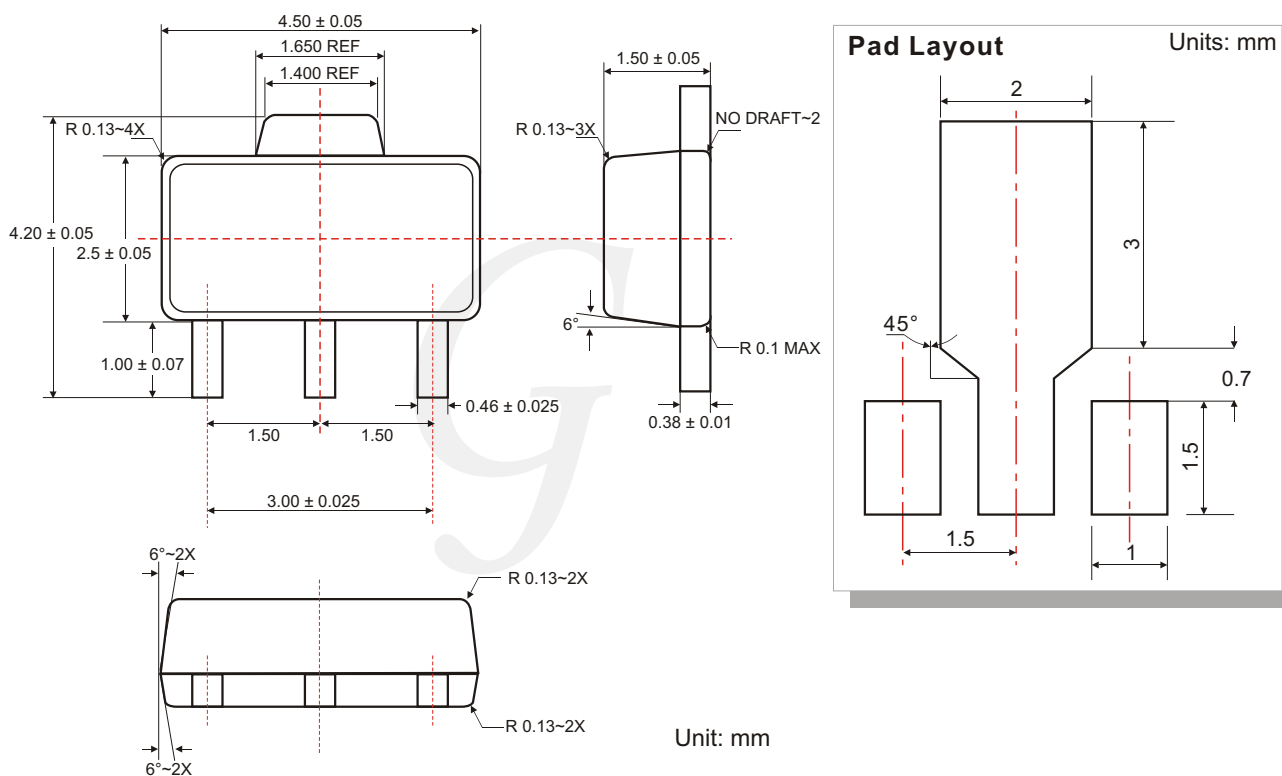


Unit: mm

◆ SOT-25(SOT-23-5) PACKAGE OUTLINE DIMENSIONS



◆ SOT-89 PACKAGE OUTLINE DIMENSIONS



◆ ORDERING NUMBER

