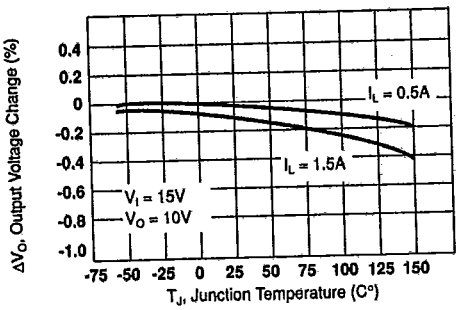
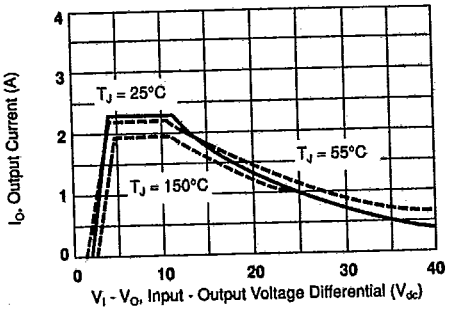
TYPICAL APPLICATIONS

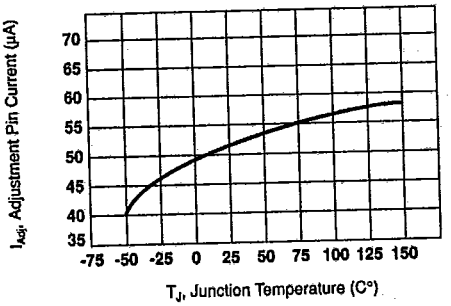
LOAD REGULATION



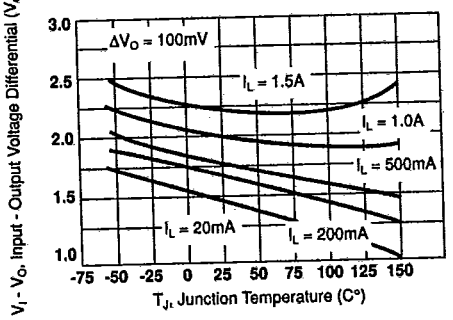
CURRENT LIMIT



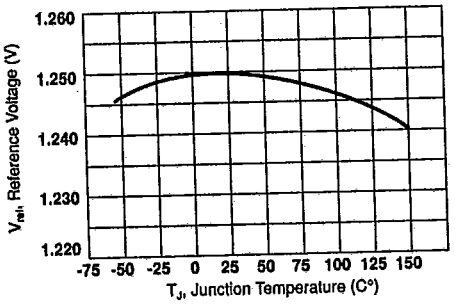
ADJUSTMENT PIN CURRENT



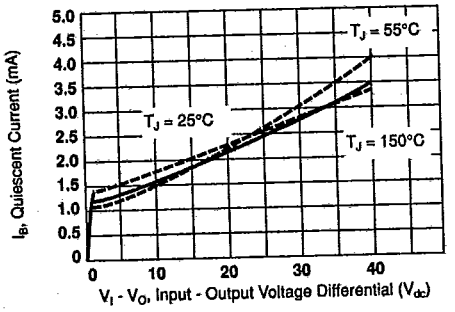
DROPOUT VOLTAGE



TEMPERATURE STABILITY



MINIMUM OPERATING CURRENT



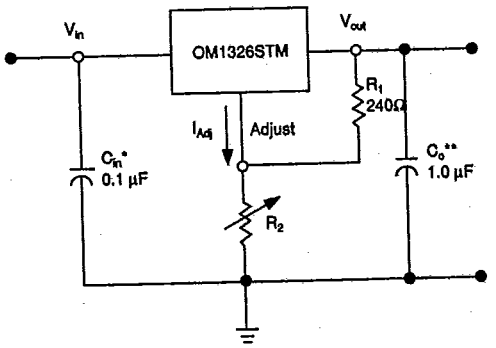
STANDARD APPLICATION

* C_{in} is required if regulator is located an appreciable distance from power supply filter.

** C_o is not needed for stability, however it does improve transient response.

$$V_{out} = 1.25\ V\ (1 + \frac{R_2}{R_1}) + I_{Adj} R_2$$

Since I_{Adj} is controlled to less than 100 μA, the error associated with this term is negligible in most applications.



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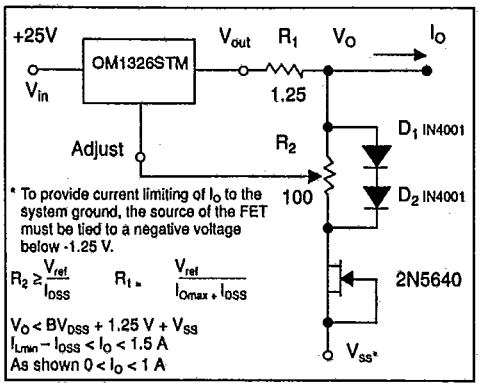
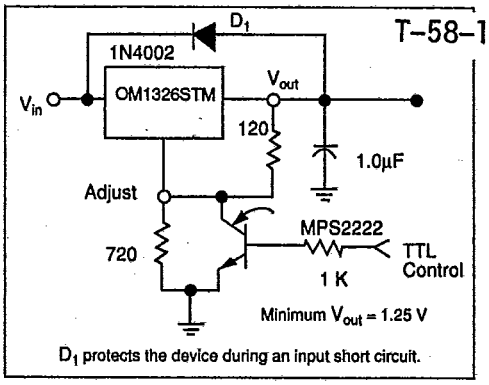
TYPICAL APPLICATIONS

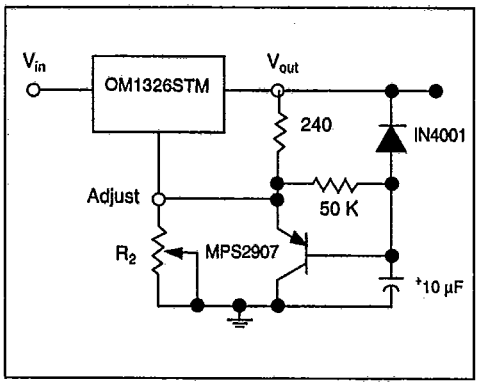
ADJUSTABLE CURRENT LIMITER



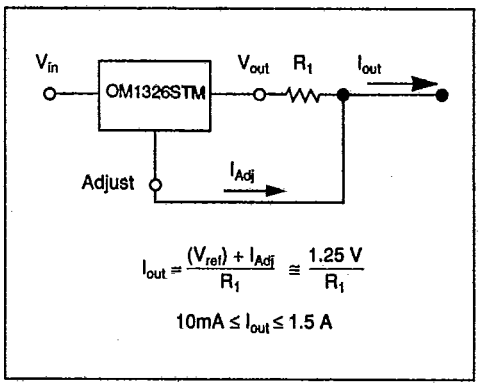
5 V ELECTRONIC SHUT DOWN REGULATOR



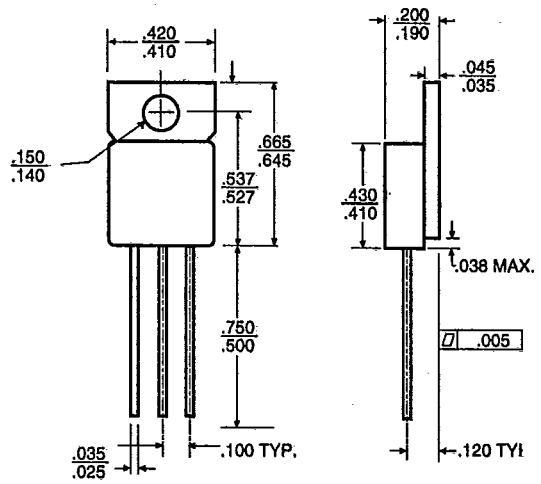
SLOW TURN-ON CURRENT



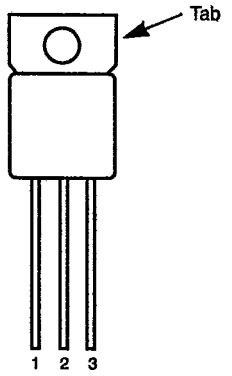
CURRENT REGULATOR



MECHANICAL OUTLINE



CONNECTION DIAGRAM



OM1326STM
Isolated
Front View
Pin 1 - Adjust
Pin 2 - Output
Pin 3 - Input
Tab - Isolated

OM1326NTM
Non-Isolated
Front View
Pin 1 - Adjust
Pin 2 - Output
Pin 3 - Input
Tab - Output

NOTES

- Case is metal/hermetically sealed
- Isolated Tab

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