

Application Hints (Continued)

Figures 6, 7 show the information for the SOT-223 package. Figure 6 assumes a $\theta_{(J-A)}$ of 74°C/W for 1 ounce copper and 51°C/W for 2 ounce copper and a maximum junction temperature of 125°C.

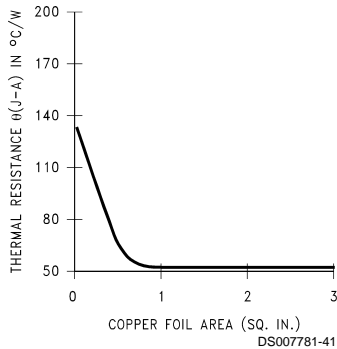


FIGURE 6. $\theta_{(J-A)}$ vs Copper (2 ounce) Area for the SOT-223 Package

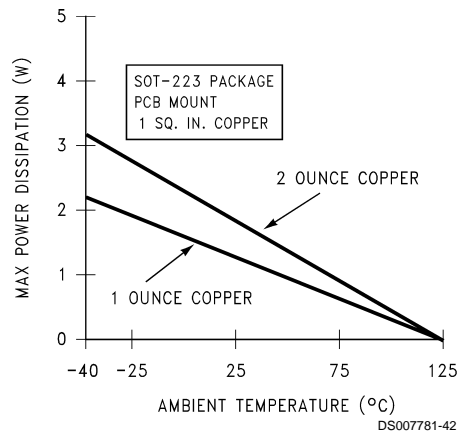
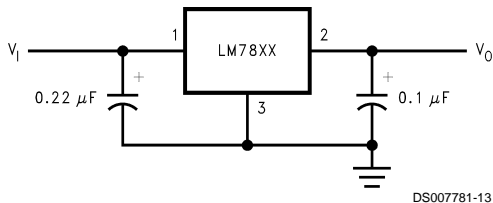


FIGURE 7. Maximum Power Dissipation vs T_{AMB} for the SOT-223 Package

Please see AN-1028 for power enhancement techniques to be used with the SOT-223 package.

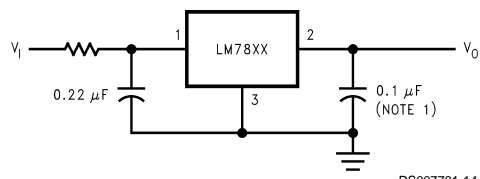
Typical Applications

Fixed Output Regulator



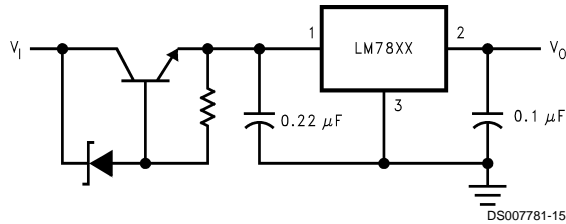
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High Input Voltage Circuits



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Note: Bypass capacitors are recommended for optimum stability and transient response, and should be located as close as possible to the regulator.



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