

Output Considerations

Outputs

The main 5 V output can be loaded with considerable additional capacitance without affecting the stability of the converter. The allowable external capacitance is a function of output power. Safe values are 100 μf for a 6.5 watt unit, 500 μf for a 30 watt unit and 1,000 μf for a 50 or 80 watt unit. For higher external output capacitances consult MDI Applications Engineering Department. For higher voltage or lower voltage outputs, the capacitance is adjusted as the inverse square of the voltage (with 5 VDC as a reference). For triple output units having a main 5 VDC output and linear regulated dual outputs, there are no restrictions on the capacitance that may be used externally on the dual outputs.