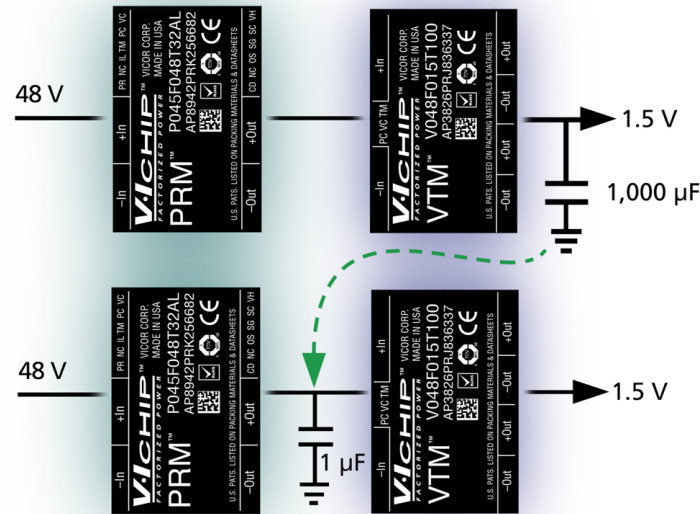


# Bulk Capacitance Elimination



- Energy stored in a capacitor is  $\frac{1}{2} CV^2$
- VTMs have very fast transient response
- Equivalent capacitance at VTM input, but  $1/k^2$  smaller
- Saves valuable POL board space
- Better reliability (no bulk capacitors)
- Saves cost of populating capacitors