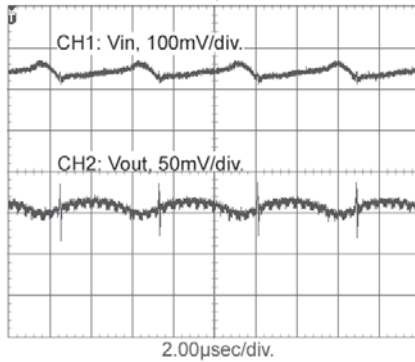


## 2 Amp, 3.3V & 5V Output, High Efficiency, Synchronous Switching Regulators

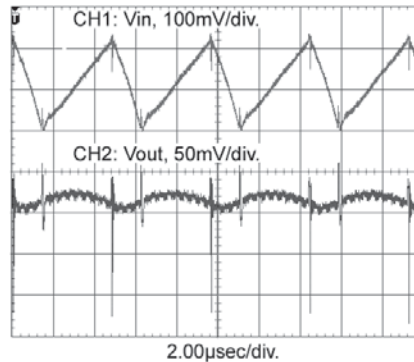
Typical Performance Curves  $T_A = +25^\circ\text{C}$ ,  $V_{in}$  as indicated

### Noise and Ripple - 10% and 100% Load, 20 MHz Bandwidth

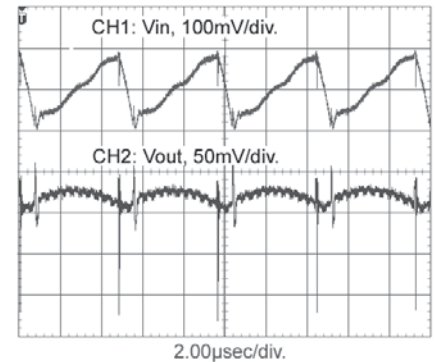
78SR-3.3/2  $V_{in} = 12\text{V}$ ,  $I_{LOAD} = 0.2\text{A}$



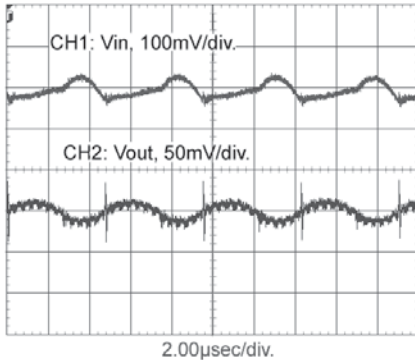
78SR-3.3/2  $V_{in} = 12\text{V}$ ,  $I_{LOAD} = 2.0\text{A}$



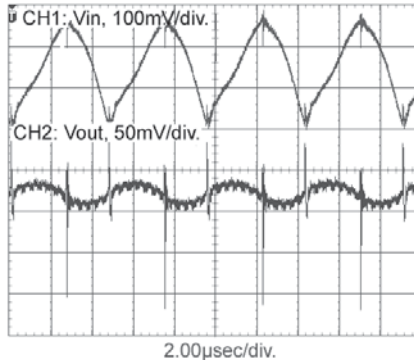
78SR-3.3/2  $V_{in} = 24\text{V}$ ,  $I_{LOAD} = 2.0\text{A}$



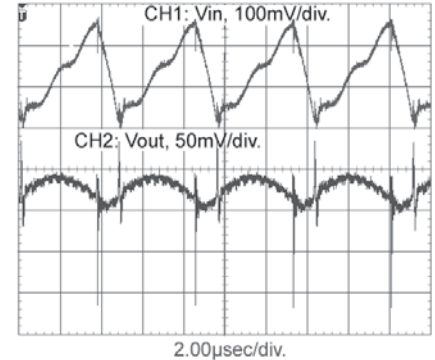
78SR-5/2  $V_{in} = 12\text{V}$ ,  $I_{LOAD} = 0.2\text{A}$



78SR-5/2  $V_{in} = 12\text{V}$ ,  $I_{LOAD} = 2.0\text{A}$

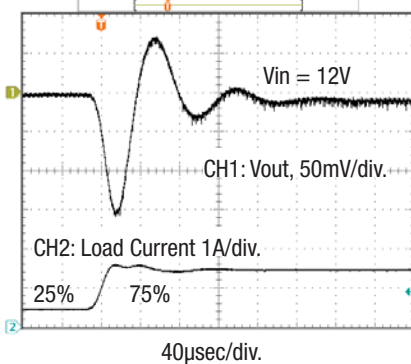


78SR-5/2  $V_{in} = 24\text{V}$ ,  $I_{LOAD} = 2.0\text{A}$

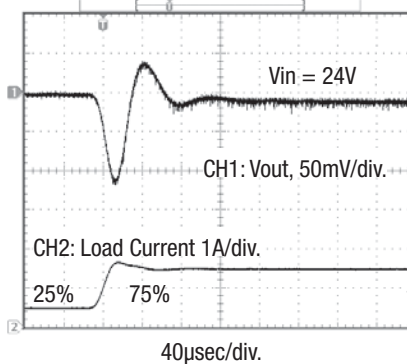


### Transient Response - 50% Load Step

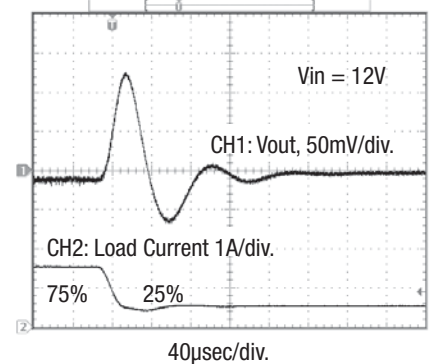
78SR-3.3/2 25% to 75% Load Step



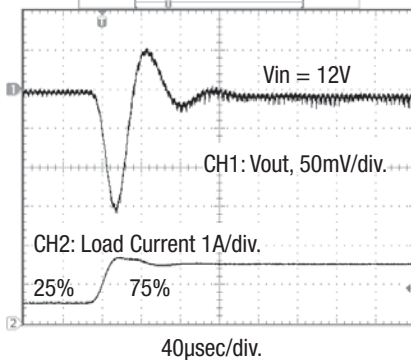
78SR-3.3/2 25% to 75% Load Step



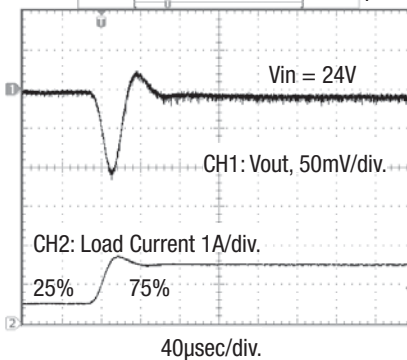
78SR-3.3/2 75% to 25% Load Step



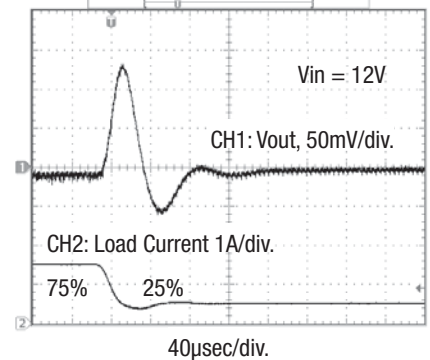
78SR-5/2 25% to 75% Load Step



78SR-5/2 25% to 75% Load Step



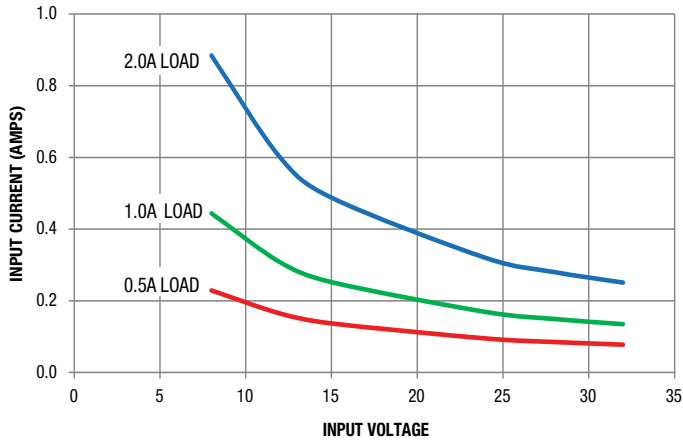
78SR-5/2 75% to 25% Load Step



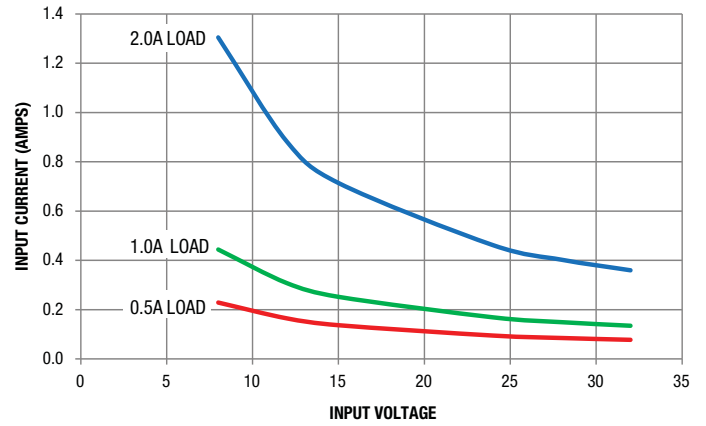
# 78SR 2 Amp Series

2 Amp, 3.3V & 5V Output, High Efficiency, Synchronous Switching Regulators

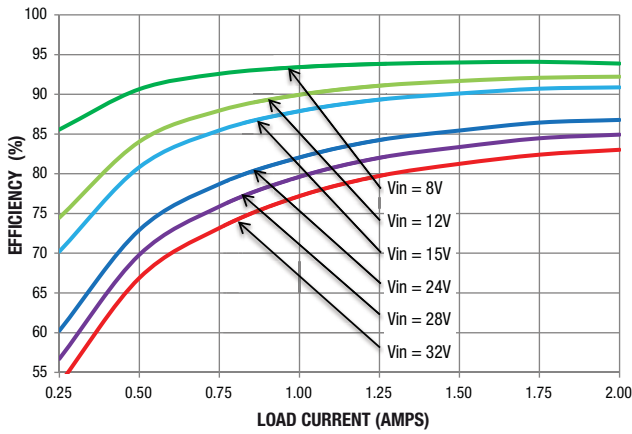
**78SR-3.3/2-C Input Current**



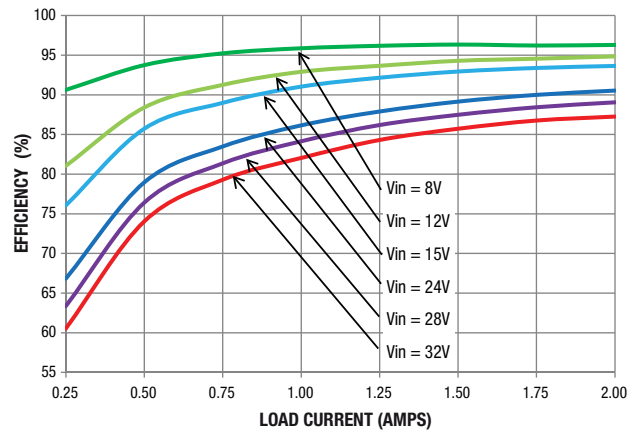
**78SR-5/2-C Input Current**



**78SR-3.3/2-C Efficiency**



**78SR-5/2-C Efficiency**



**Thermal Derating Curve**

