



DCDC Synchronous Step-Down Regulators

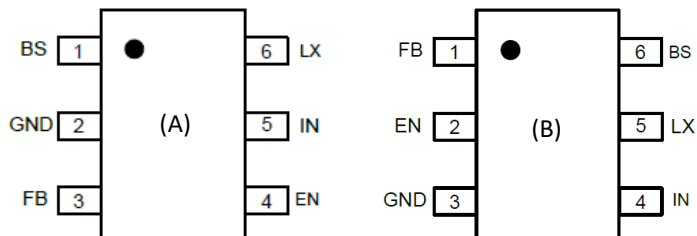
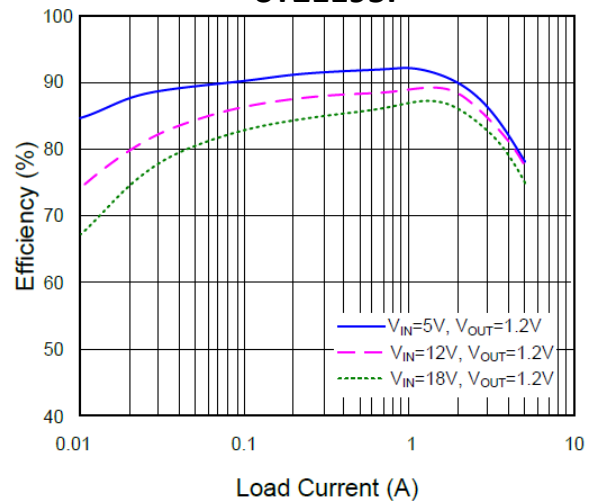
A Range of 18V 2A/3A/4A/5A/6A regulators
in SOT23-6 & TSOT23-6 packages

Part Number	Quiescent/Shutdown Current (uA)	V _{IN} (V)	I _{out} (A)	V _{OUT} (V)	F _{sw} (MHz)	Package (Pinout)	Internal Switches HS/LS (mΩ)	Features
SY21072I	200/5	4.2~18	2	0.6*(1+RH/RL)	0.5	SOT23-6 (A)	130/105	Instant PWM
SY21113I	200/5	4.2~18	3	0.6*(1+RH/RL)	0.5	TSOT23-6 (A)	80/40	Instant PWM
SY21174I	200/5	4.2~18	4	0.6*(1+RH/RL)	0.5	TSOT23-6 (B)	55/36	Instant PWM
SY21195I	250/5	4.5~18	5	0.6*(1+RH/RL)	0.5	TSOT23-6 (B)	41/27	Instant PWM
SY21197	200/5	4.5~18	6	0.6*(1+RH/RL)	0.4	TSOT23-6 (B)	29/19	Instant PWM

FEATURES

- 4.2V to 18V Input voltage
- Fully Synchronous with low R_{DS(ON)} switches
- Internal Soft-start -> *limits inrush current*
- V_{ref} 0.6V with +/-1.5% tolerance
- Instant PWM operation -> *Fast Transient Response*
- Cycle-by-Cycle Peak/Valley Current Limit
- Hic-cup mode for Short Circuit Protection
- RoHS and Halogen Free
- SOT23-6/TSOT23-6 package

SY21195I



Highly Efficient -Space Saving - Easy Design - Robust Performance
Silergy's 18V regulators simplify the Art of Power Supply Design