SSC1S310 Series (Controller)

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SOIC8

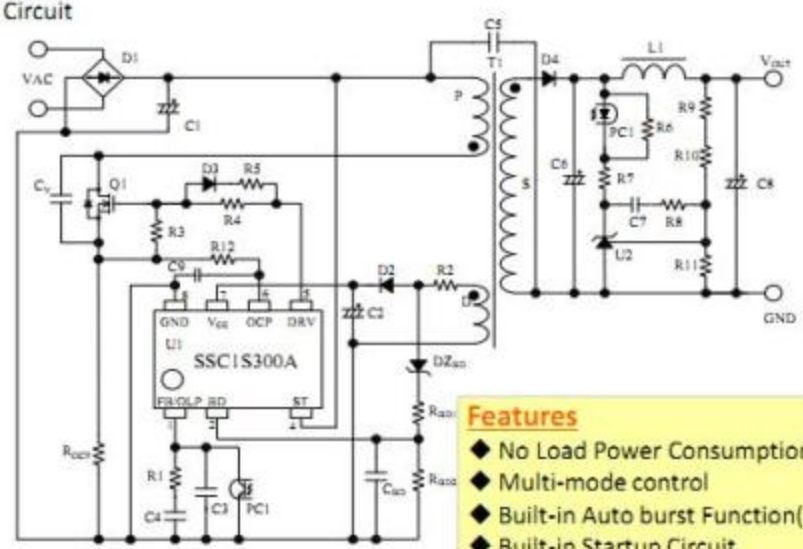
7pin type

8pin type

- Auto Standby function
- No Load Power Consumption (P_{IN}) is < 30mW (at AC100V)
- Auto Burst Function(1skip)
- Absolute maximum ratings of V_{CC} is 35V
- Protection Functions（OCP/OVP/OLP/TSD）

Part Number	Package	V_{CC} input voltage	$V_{CC(ON)}$	PWM f_{OSC}	Maximum ON time	Protective Function			
						OCP	OVP	OLP	TSD
SSC1S311A	7pin type	35V (Max)	15.1V (TYP)	21.0kHz (TYP)	40.0μs (TYP)	Pulse by pulse	Auto Restart	Auto Restart	Auto Restart
SSC1S311	8pin type								

Circuit



Pin Assignment

Pin No.	Symbol	Function
1	FB/OLP	Constant voltage control / Standby control / Overload detection signal input
2	BD	Bottom detection / Input compensation signal input
3	—	SSC1S300A is pin removed SSC1S300 is No connection
4	ST	Startup current input
5	DRV	Gate drive output
6	OCP	Overcurrent detection signal input
7	V_{CC}	Supply voltage input / Overvoltage detection signal input
8	GND	Ground

Features

- ◆ No Load Power Consumption (P_{IN}< 30mW)
- ◆ Multi-mode control
- ◆ Built-in Auto burst Function(1 Bottom skip)
- ◆ Built-in Startup Circuit
- ◆ OCP with Built-in Input Compensation Circuit
- ◆ Auto Standby function (to enable low standby power)
- ◆ Leading Edge Blanking
- ◆ Protection Functions
  - OLP: Auto restart
  - OCP: Pulse by pulse
  - OVP: Auto restart
  - TSD: Auto restart