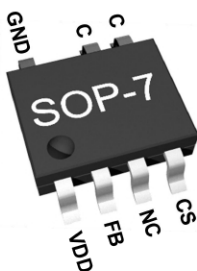




Pin Configuration



SOP-7

Marking Information



SOP-7

DP2701X for product name:

XXXXXX The first X represents the last year, 2014 is 4; The second X represents the month, in A-L 12 letters; The third and fourth X on behalf of the date, 01-31 said; The last two X represents the wafer batch code

Typical Output Power Table⁽¹⁾

Part Number	230VAC \pm 15% ⁽²⁾	85-265VAC
	Adapter ⁽³⁾	Adapter ⁽³⁾
DP2701A	5W	3W
DP2701B	6W	5W
DP2701C	8W	6W
DP2701D	10W	7.5W
DP2701E	12W	10W
DP2701F	15W	12W

Note 1. The Max. output power is limited by junction temperature.

Note 2. 230VAC or 100/115VAC with voltage doublers.

Note 3. Typical continuous power in a non-ventilated enclosed adapter with sufficient drain pattern as a heat sink at 50°C ambient.



DP2701X

High Performance Primary Side Regulation CV/CC Power Switch

Pin Description

Pin Number	Pin Name	I/O	Description
1	VDD	P	IC Power supply pin
2	FB	I	System feedback and Quasi-Resonant Detection Pin
3	NC	-	No connect
4	CS	I	Current Sense Input Pin
5,6	C	P	Internal power BJT collector pin
7	GND	P	IC ground pin

Ordering Information

Part Number	Description
DP2701X	SOP-7, Halogen free, in T&R,4000 Pcs/Reel

Absolute Maximum Ratings (Note 4)

Parameter	Value	Unit
C Pin Voltage Range	-0.3 to 800	V
VDD DC Supply Voltage	-0.3 to 26	V
VDD DC Clamp Current	7	mA
CS Voltage Range	-0.3 to 7	V
FB Voltage Range	-0.7 to 7	V
Package Thermal Resistance---Junction to Ambient (SOP-7)	90	°C/W
Maximum Junction Temperature	165	°C
Storage Temperature Range	-65 to 150	°C
Lead Temperature (Soldering, 10sec.)	260	°C
ESD Capability, HBM (Human Body Model)	3	kV

Recommended Operation Conditions

Parameter	Value	Unit
Supply Voltage, VDD	5 to 21	V
Operating Ambient Temperature	-40 to 85	°C
Maximum Switching Frequency @ Full Loading	70	kHz
Minimum Switching Frequency @ Full Loading	35	kHz