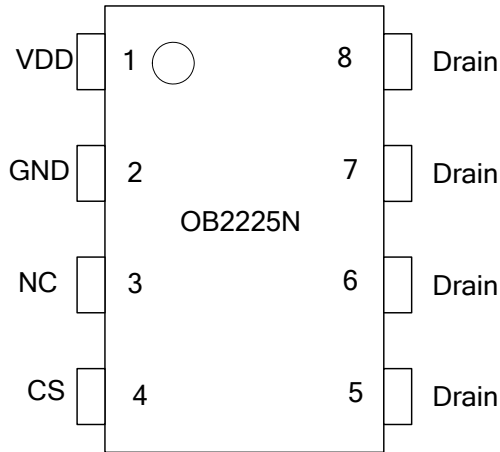


GENERAL INFORMATION

Pin Configuration

The pin map is shown as below for SOP8



Ordering Information

Part Number	Description
OB2225NCP	SOP8, Halogen-free, Tube
OB2225NCPA	SOP8, Halogen-free, T&R

Package Dissipation Rating

Package	R θ JA (°C/W)
SOP8	90

Note: Drain Pin Connected 100mm² PCB copper clad.

Output Power Table

Topology	90~264Vac (open frame)	176~264Vac (open frame)
Buck / Buck-Boost	350mA	400mA

Note: Maximum continuous power with drain pattern connected 100mm² PCB copper clad, at 50°C ambient.

Topology	90~264Vac (open frame)	176~264Vac (open frame)
Buck / Buck-Boost	300mA	350mA

Note: Maximum continuous power with drain pattern connected 100mm² PCB copper clad, at 85°C ambient.

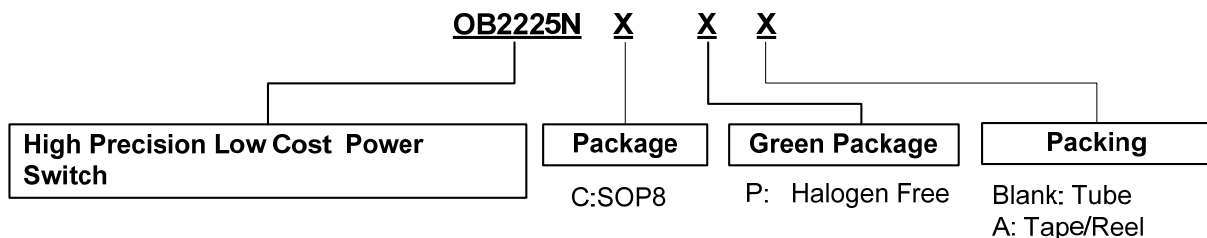
Absolute Maximum Ratings

Parameter	Value
Drain Voltage(off state)	-0.3V to Bvdss
VDD Voltage	-0.3 to 20V
CS Input Voltage	-0.3 to 7V
Min/Max Operating Junction Temperature T _J	-40 to 150 °C
Operating Ambient Temperature T _A	-40 to 85 °C
Min/Max Storage Temperature T _{stg}	-55 to 150 °C
Lead Temperature (Soldering, 10secs)	260 °C

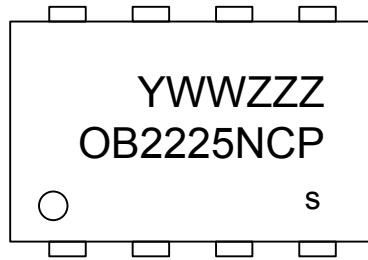
Note: Stresses beyond those listed under "absolute maximum ratings" may cause permanent damage to the device. These are stress ratings only, functional operation of the device at these or any other conditions beyond those indicated under "recommended operating conditions" is not implied. Exposure to absolute maximum-rated conditions for extended periods may affect device reliability.

Recommended Operating Condition

Symbol	Parameter	Range
VDD	VDD Supply Voltage	8 to 12V



Marking Information



Y:Year Code
 WW:Week Code(01-52)
 ZZZ:Lot Code
 C:SOP8 Package
 P:Halogen-free Package
 S:Internal Code(Optional)

TERMINAL ASSIGNMENTS

Pin Num	Pin Name	I/O	Description
1	VDD	I	Power Supply and Output Voltage Feedback
2	GND	P	Ground
3	NC	NC	It should be floating or connect ground during normal operation state
4	CS	I	Current sense input
5/6/7/8	Drain	O	Power Mosfet Drain pins.

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