

OFN16V 16A Non-Isolated Point of load



FEATURES

- 0.7525V-5.0V 16A Vout
- 8V-14V WIDE INPUT RANGE
- 300KHz SWITCHING FREQUENCY
- OVER TEMPERATURE PROTECTION
- HIGH EFFICIENCY TO 94%
- INDUSTRY STANDARD PINOUT
- CONTINUOUS SHORT CIRCUIT PROTECTION
- 3 YEARS WARRANTY



OUTPUT SPECIFICATIONS		INPUT SPECIFICATIONS		GENERAL SPECIFICATIONS	
Voltage Set-point Accuracy	+/-2% max	Input Voltage Range	8V-14V	Efficiency	See Table
Temperature Coefficient	+/-0.05%/°C	Input Filter	Capacitive	Isolation Voltage	None
Ripple & Noise(20MHz BW)	100mVp-p max	ENVIRONMENTAL SPECIFICATIONS		Switching Frequency	300KHz typ
Line Regulation	+/-0.2% max			Structure	Open Frame
Load Regulation	+/-0.5% max	Operating Temperature	-40°C to +85°C	Weight	7.5g typ
Minimum Load	0%	Storage Temperature	-55°C to +125°C	SIP Package	50.8mm*13.0mm*10.7mm
Short Circuit Protection	Continuous	Over Temperature Protection	130°C typ		
Transient Response	200uS max				

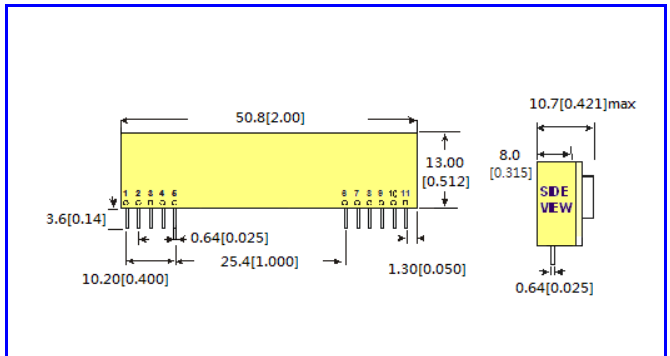
● 16A OUTPUT

MODEL NUMBER	INPUT (VDC)	OUTPUT		INPUT CURRENT(mA)		EFF (%)
		VOLTAGE (VDC)	CURRENT (A)	FULL LOAD	NO LOAD	
OSN16V	8-14	0.7525	16A	1210	40	80
	8-14	1.2	16A	1882	40	85
	8-14	1.5	16A	2270	49	88
	8-14	1.8	16A	2699	60	89
	8-14	2.0	16A	2965	60	90
	8-14	2.5	16A	2665	65	91
	8-14	3.3	16A	4730	75	93
	8-14	5.0	16A	7095	95	94

● REMOTE ON/OFF CONTROL VOLTAGE

OUTPUT POWER ON	Vin or Open Circuit
OUTPUT POWER OFF	< 0.4V

● MECHANICAL DIMENSIONS



● EXTERNAL RESISTOR VALUES FOR PROGRAMMING OUTPUT VOLTAGE

Vout	Rtrim(K ohm)
0.7525	Open
1.2	22.46
1.5	13.05
1.8	9.024
2.0	7.417
2.5	5.009
3.3	3.122
5.0	1.472

PIN	1 & 2	3	4	5 & 6	7 & 8	9	10	11
	SINGLE	+Vout	+Sense	+Vout	Com.	+Vin	NC	Trim
								Remote On/Off