

### FEATURES

- \* 5-6W Isolated Output
- \* Compact SIP-8 Package
- \* Efficiency up to 89%
- \* 4:1 Input Range
- \* Regulated Outputs
- \* Remote On/Off Control
- \* 1500VDC Isolation
- \* Continuous Short Circuit Protection



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		EFF. (%)	Capacitor Load max
			MIN.	MAX.	NO LOAD	FULL LOAD		
EN6W-24S33	9-36 VDC	3.3VDC	0 mA	1500 mA	4 mA	310 mA	82	4700uF
EN6W-24S05	9-36 VDC	5VDC	0 mA	1200 mA	4 mA	298 mA	86	2200uF
EN6W-24S12	9-36 VDC	12VDC	0 mA	500 mA	5 mA	288 mA	88	1100uF
EN6W-24S15	9-36 VDC	15VDC	0 mA	400 mA	5 mA	288 mA	89	470uF
EN6W-48S33	18-75 VDC	3.3VDC	0 mA	1500 mA	3 mA	155 mA	82	4700uF
EN6W-48S05	18-75 VDC	5VDC	0 mA	1200 mA	3 mA	150 mA	85	2200uF
EN6W-48S12	18-75 VDC	12VDC	0 mA	500 mA	3 mA	145 mA	88	1100uF
EN6W-48S15	18-75 VDC	15VDC	0 mA	400 mA	3 mA	145 mA	89	470uF

NOTE: 1. Nominal Input Voltage 24 or 48 VDC

### INPUT SPECIFICATIONS

INPUT SURGE VOLTAGE (100ms max) .....	24V .....	50VDC max
	48V .....	100VDC max
POSITIVE LOGIC REMOTE ON/OFF CONTROL	Module ON .....	Open Circuit
	Module OFF .....	2mA to 4mA
INPUT FILTER.....		capacitive

### OUTPUT SPECIFICATIONS

Voltage Accuracy.....		±1.5% max
Voltage Balance .....		±1.0% max
Transient Response: 25% Step Load Change		
Recovery Time .....		< 250 µs
Ripple and noise, 20MHz BW .....		max. 100mVpp.
Temperature Coefficient .....		±0.03%/C max
Line Regulation <sup>1</sup> .....		±0.2% max
Load Regulation <sup>2</sup> .....		±0.5% max
Short Circuit Protection.....		continuous
Current Limit .....		180% typ.
Start up time .....		15ms max

### GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....		1500VDC min.
ISOLATION RESISTANCE .....		1000 Mohm
ISOLATION CAPACITANCE.....		50pF typ.
SWITCHING FREQUENCY.....		580KHz typ.
OPERATING TEMPERATURE RANGE.....		-40°C TO +85°C
DERATING, ABOVE 61°C .....		LINEARY TO ZERO POWER AT 105 °C
COOLING.....		Natural Convection, 20ft./min.(0.1m/s)
CASE TEMPERATURE <sup>3</sup> .....		105°C max.
STORAGE TEMPERATURE RANGE.....		-55°C TO +125°C
HUMIDITY .....		95% RH max. Non condensing
MTBF .....	MIL-STD-217F .....	tbd
CASE MATERIAL .....		Non-Conductive Black Plastic
DIMENSIONS .....		0.86x0.36x0.44 INCHES (21.8 × 9.20 × 11.10mm)

#### NOTE:

1. LINE REGULATION: Measured From High Line To Low Line
2. LOAD REGULATION: Measured From Full Load To 10% Load
3. Maximum Case Temperature Under Any Operating Condition Should Not Be Exceeded 105°C

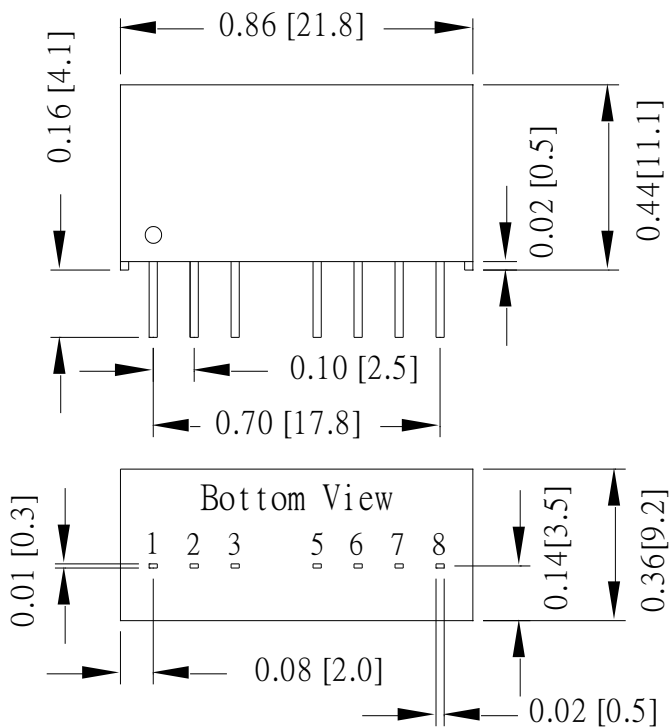
### MECHANICAL SPECIFICATIONS

All Dimensions In Inches(mm)

Tolerances : Inches millimeters

X.XX±0.02 X.X±0.5

Pin ±0.002 ±0.05



PIN CONNECTION		
Pin	Single	Dual
1	-Vin	-Vin
2	+Vin	+Vin
3	CTRL	CTRL
5	NC	NC
6	+Vo	+Vo
7	-Vo	Common
8	NC	-Vo

### Power Derating

Typical Derating curve for Natural Convection

