

30 watt / 3" ´ 2.60" ´ 0.82" Package / 500Vdc isolation
EP series / 2:1 input range

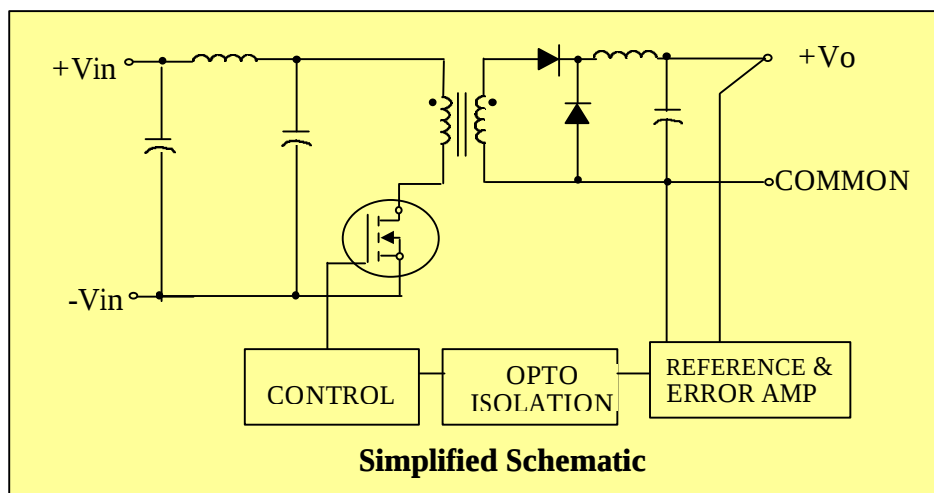
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Feature:

- Very Low Cost
- 2:1 input range
- High efficiency
- Industry-standard package and pinout
- 500Vdc Input/Output Isolation
- On/Off control and Vout trim
- No External Components required

Specifications: At 25°C

Input Specifications:	General Specifications:
Input Voltage Range: See Table	Isolation Voltage: 500Vdc
Input Filter: Pi-type	Efficiency: see table
On/Off Control: TTL high(or open)=on TTL low=off	Switching Frequency: 100KHz typical
	Isolation Resistance: 1000M ohm
Output Specifications:	Environmental Specifications:
Output Voltage & Current: see table	Operating Temperature: -25 to + 71°C
Voltage Accuracy: $\pm 2\%$ max	Storage Temperature: -40 to +105°C
Line Regulation(at full load): $\pm 0.5\%$ max	Cooling: Free air convection
Load Regulation (at full load to 1/4 load): Single output: $\pm 1\%$ max Dual output: $\pm 2.5\%$ max	Derating: See Derating Curve
	Humidity Non-Condensing: 20 to 95% RH
	Physical Specifications:
Temperature Coefficient: $\pm 0.05\%/C$ max	Case Material: Black coated copper with non-conductive plastic base
Ripple & Noise(20Mhz BW): 1% p-p max	Pin Material: Brass, solder coated
Short Circuit Protection: Power fold back	Weight: 210grams typical
Over load protection: Build-in	



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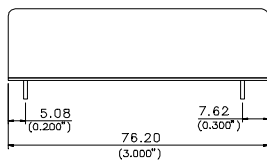
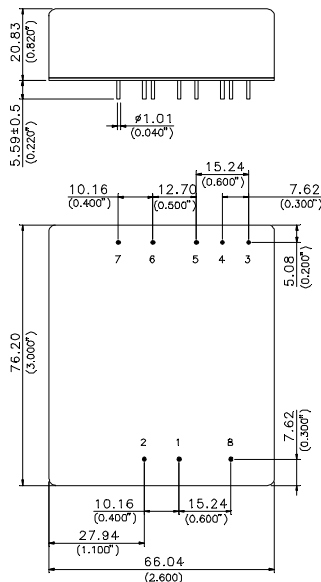
Model Selection Table:

Model no.	Input			Output		Efficienc Typical① %	Package	External Fuse② (A)
	Voltage (Vdc)	Current(mA)		Voltage (Vdc)	Current (mA)			
		No-Load	Full-Load					
EP501-12S05	9-18	30	2780	5	5000	75	EP	7
EP251-12S12	9-18	30	3290	12	2500	76	EP	7
EP201-12S15	9-18	30	3290	15	2000	76	EP	7
EP121-12D12	9-18	50	3335	±12	±1250	75	EP	7
EP101-12D15	9-18	50	3335	±15	±1000	75	EP	7
EP501-24S05	18-36	30	1335	5	5000	78	EP	3
EP251-24S12	18-36	30	1560	12	2500	80	EP	4
EP201-24S15	18-36	30	1580	15	2000	79	EP	4
EP121-24D12	18-36	50	1560	±12	±1250	80	EP	4
EP101-24D15	18-36	50	1560	±15	±1000	80	EP	4
EP601-48S05	36-72	30	800	5	6000	78	EP	1.5
EP251-48S12	36-72	30	780	12	2500	80	EP	1.5
EP201-48S15	36-72	30	780	15	2000	80	EP	1.5
EP121-48D12	36-72	40	780	±12	±1250	80	EP	1.5
EP101-48D15	36-72	40	780	±15	±1000	80	EP	1.5

①Efficiency is specified at nominal input voltage and full load.

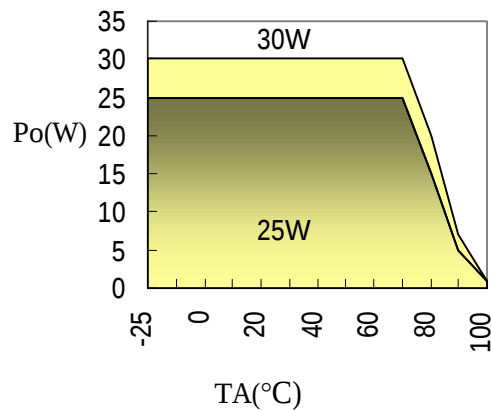
②Certain applications may require the installation of external fuse in front of the input.

Package EP:



PIN	SINGLE	DUAL	TRIPLE
1	+INPUT	+INPUT	+INPUT
2	-INPUT	-INPUT	-INPUT
3	NO PIN	+OUTPUT	+OUTPUT
4	OUTPUT TRIM	COMMON	COMMON
5	NO PIN	-OUTPUT	-OUTPUT
6	+OUTPUT	NO PIN	+5V out
7	-OUTPUT	NO PIN	NO PIN
8	ON/OFF	ON/OFF	ON/OFF

Power Derating Curve



Unit: mm(inch)±0.25(0.010)