

5watt / 2" ´ 2" ´ 0.45" Package / 500Vdc isolation 500 series / 3:1,4:1 input range

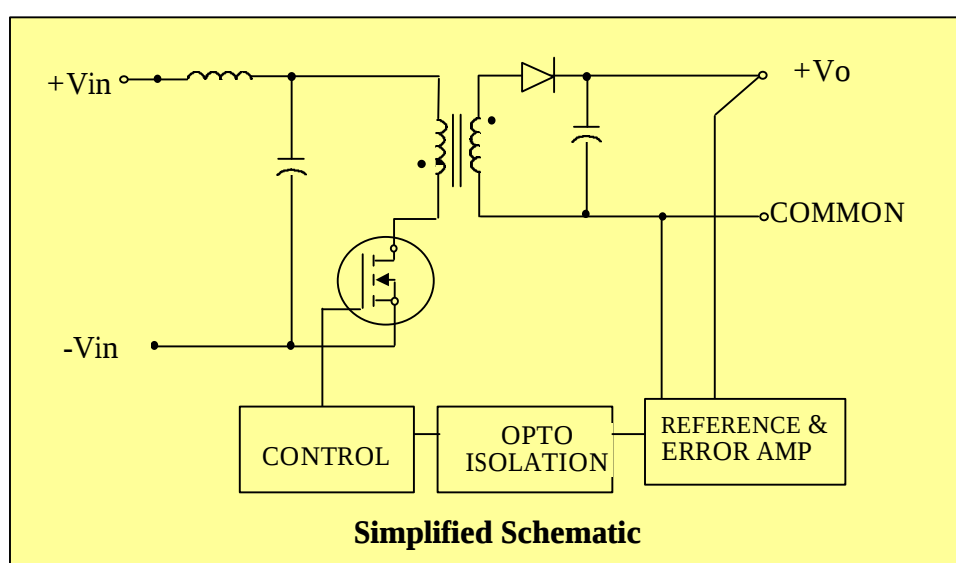
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Feature:

- Low Cost
- 3:1 and 4:1 Input Range
- Industry-standard package and pinout
- 500Vdc Input/Output Isolation
- Single and Dual Outputs
- No External Components required

Specifications: At 25°C

Input Specifications:	General Specifications:
Input Voltage Range: See Table	Isolation Voltage: 500Vdc
Input Filter: LC type	Efficiency: see table
Output Specifications:	Switching Frequency: 50KHz typical
Output Voltage & Current: see table	Isolation Resistance: 1000M ohm
Voltage Accuracy: $\pm 2\%$ max	Environmental Specifications:
Line Regulation(at full load): $\pm 1\%$ max	Operating Temperature: -25 to + 71°C
Load Regulation (at full load to 1/4 load):	Storage Temperature: -40 to +105°C
Single output: $\pm 1\%$ max	Cooling: Free air convection
Dual output: $\pm 2.5\%$ max	Derating: See Derating Curve
Temperature Coefficient: $\pm 0.05\%/^{\circ}\text{C}$ max	Humidity Non-Condensing: 20 to 95% RH
Ripple & Noise(20Mhz BW): 1% p-p max	Physical Specifications:
Short Circuit Protection: Power fold back	Case Material: Black coated copper with non-conductive plastic base
Over load protection: Build-in	Weight: 65grams typical



5watt / 2" × 2" × 0.45" Package / 500Vdc isolation

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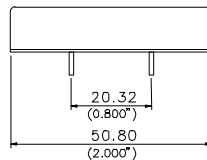
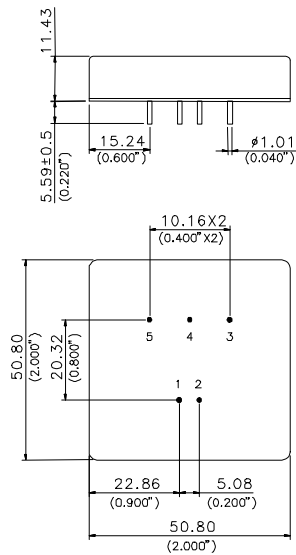
Model Selection Table:

Model no.	Input			Output		Efficiency Typical① %	Package	External Fuse② (A)
	Voltage (Vdc)	Current(mA)		Voltage (Vdc)	Current (mA)			
		No-Load	Full-Load					
DC-3WR508	9-27	60	640	5	1000	65	E	2/1
DC-3WR510	9-27	60	570	12	400	70	E	2/1
DC-3WR511	9-27	90	635	±12	±200	63	E	2/1
DC-3WR512	9-27	135	660	±15	±167	63	E	2/1
DC-3WR518	20-60	35	315	5	1000	66	E	1/0.5
DC-3WR519	20-60	30	280	12	400	72	E	1/0.5
DC-3WR520	20-60	30	290	15	333	72	E	1/0.5
DC-3WR521	20-60	65	320	±12	±200	62	E	1/0.5
DC-3WR522	20-60	50	325	±15	±167	65	E	1/0.5
E101-412S05	9-36	60	660	5	1000	63	E	2/1
E400-412S12	9-36	60	590	12	400	68	E	2/1
E333-412S15	9-36	60	595	15	333	70	E	2/1
E101-424S05	20-72	30	300	5	1000	70	E	1/0.5
E400-424S12	20-72	30	285	12	400	70	E	1/0.5
E333-424S15	20-72	30	300	15	333	70	E	1/0.5

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

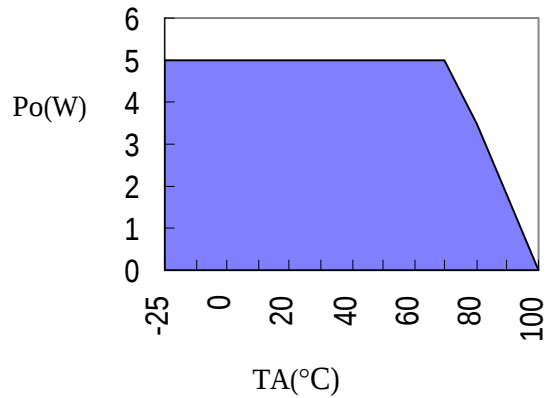
②Certain applications may require the installation of external fuse in front of the input.

Package E:



PIN	SINGLE	DUAL
1	+INPUT	+INPUT
2	-INPUT	-INPUT
3	-OUTPUT	-OUTPUT
4	NO PIN	COMMON
5	+OUTPUT	+OUTPUT

Power Derating Curve



Unit: mm(inch)±0.25(0.010)