

17 watts / 2.9" x 2.1" x 0.86" / 500Vac isolation
EM-001 / 2:1 input range

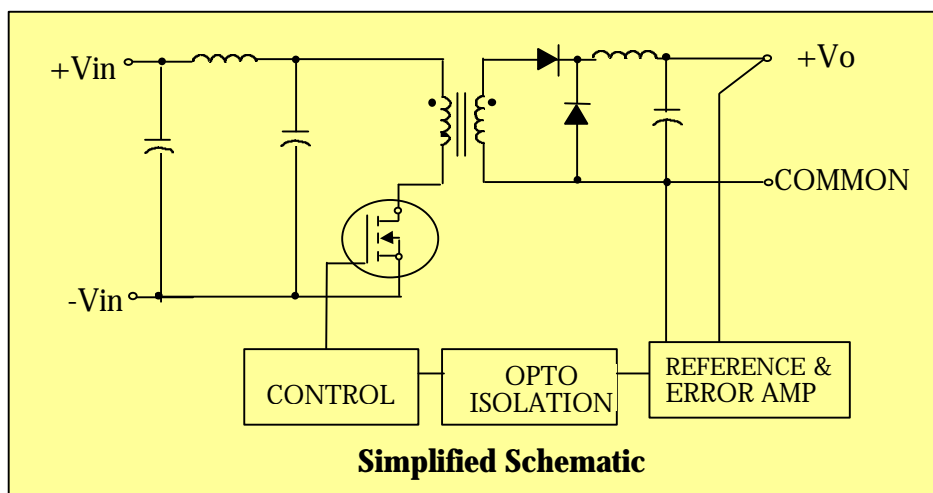


Feature:

- 2:1 input range
- High efficiency
- Industry-standard package and pinout
- 500Vac Input/ Output Isolation
- No External Components required

Specifications: At 25°C

Input Specifications:	General Specifications:
Input Voltage Range: 18~72V	Isolation Voltage: 500VAc
Input Filter: Pi-type	Efficiency: 75%
Output Specifications:	Switching Frequency: 100KHz typical
Output Voltage & Current: see table	Isolation Resistance: 100M ohm
Voltage Accuracy: $\pm 2\%$ max	Environmental Specifications:
Line Regulation(at full load): $\pm 1\%$ max	Operating Temperature: -30to + 71°C
Load Regulation (at full load to half load):	Storage Temperature: -40 to +85°C
+6.5V:j 5%(Max)	Cooling: Free air convection
+5V:j 2%(Max)	Derating: See Derating Curve
+3.3V:j 5%(Max)	Humidity Non-Condensing: 20 to 95% RH
Output (Min Load):+6.5V/200mA	Physical Specifications:
+5V/150mA	Case Material: Black coated copper with non-conductive plastic base
+3.3V/150mA	Pin Material: Brass, solder coated
Temperature Coefficient: $\pm 0.05\%/^{\circ}\text{C}$ max	Weight: 180grams typical
Ripple & Noise(20Mhz BW):	
0.5% +50mVp-p max	
Short Circuit Protection: Power fold back	
Over load protection: Build-in	



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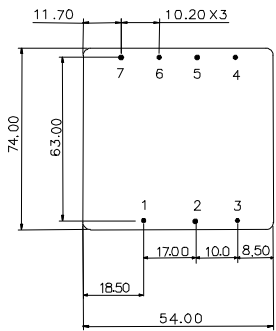
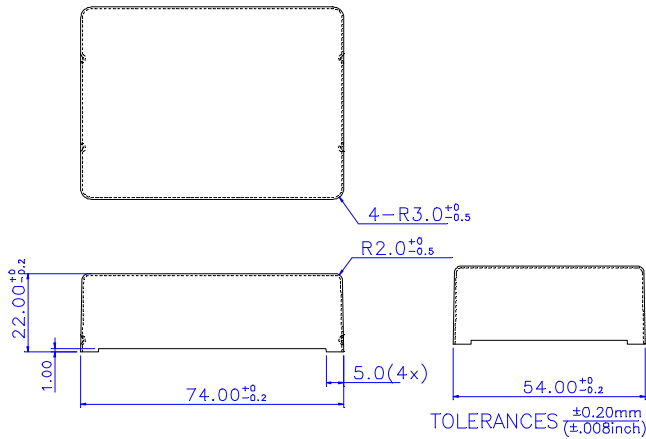
Model Selection Table:

Model no.	Input			Output						Efficiency Typical① %	Package	External Fuse② (A)
	Voltage (Vdc)	Current(mA)		Voltage (Vdc1)	Current (mA)	Voltage (Vdc2)	Current (mA)	Voltage (Vdc3)	Current (mA)			
		MIN-Load	Full-Load									
EM-001	18-72	99	478	+3.3	1500	+5	500	+6.5	1500	75		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 /PIN Assignment:



Unit: mm(inch)±0.25(0.010)

PIN	TRIPLE
1	+INPUT
2	-INPUT
3	F.G
4	Vdc3 +OUTPUT
5	Vdc2 +OUTPUT
6	COM
7	Vdc1 +OUTPUT

Power Derating Curve

