

6A Series

7.5W DC-DC Converters

Features

- 7.5W Isolated output
- 24-Pin DIP Package
- Regulated Outputs
- 83% Efficiency
- Pi Input Filter
- Low Ripple and Noise
- Continuous Short Circuit Protection
- 2:1 Input Range

Model Number	Input Voltage	Output Voltage	Output Current	Input Current		% Efficiency	Case
				No Load	Full Load		
6A-01	9-18 VDC	5 VDC	1500 mA	25 mA	762 mA	82	A
6A-02		12 VDC	625 mA	25 mA	762 mA	82	
6A-03		15 VDC	500 mA	25 mA	762 mA	82	
6A-04		±5 VDC	±750 mA	30 mA	762 mA	82	
6A-05		±12 VDC	±310 mA	30 mA	753 mA	83	
6A-06		±15 VDC	±250 mA	30 mA	753 mA	83	
6A-11	18-36 VDC	5 VDC	1500 mA	20 mA	381 mA	82	A
6A-12		12 VDC	625 mA	20 mA	381 mA	82	
6A-13		15 VDC	500 mA	20 mA	381 mA	82	
6A-14		±5 VDC	±750 mA	25 mA	381 mA	82	
6A-15		±12 VDC	±310 mA	25 mA	377 mA	83	
6A-16		±15 VDC	±250 mA	25 mA	377 mA	83	
6A-21	36-72 VDC	5 VDC	1500 mA	10 mA	190 mA	82	A
6A-22		12 VDC	625 mA	10 mA	190 mA	82	
6A-23		15 VDC	500 mA	10 mA	190 mA	82	
6A-24		±5 VDC	±750 mA	15 mA	190 mA	82	
6A-25		±12 VDC	±310 mA	15 mA	188 mA	83	
6A-26		±15 VDC	±250 mA	15 mA	188 mA	83	

Note: Nominal Input Voltage 12, 24, 28 or 48VDC

Specifications

Input Specifications:

Input Voltage Range.....	12V.....	9-18V
	24V.....	18-36V
	48V.....	36-72V
Input Filter.....	Pi Type	

Output Specifications:

Voltage Accuracy.....	+/- 1.0 % max.	
Voltage Balance (Dual).....	+/- 1.0 % max.	
Ripple & Noise, 20 MHz BW.....	75 mV p-p max.	
Temperature Coefficient.....	+/- 0.05 % /°C max.	
Short Circuit Protection.....	Continuous	
Line Regulation ¹ Single / Dual Output.....	+/- 0.2 % max.	
Load Regulation ² Single	+/- 0.5 % max.	
	Dual.....	
	+/- 1.0 % max.	

General Specifications :

Efficiency.....	see table
Isolation Resistance.....	100Mohm
Switching Frequency.....	200 KHz, min.
Operating Temperature Range.....	-25° C ~ +71° C
Case Temperature.....	100° C max.
Cooling.....	Free air convection
Storage Temperature Range.....	-40° C ~ +100° C
Isolation Voltage.....	1500VDC min.
Dimensions.....	1.25" x 0.8" x 0.4" (31.8 x 20.3 x 10.2 mm)

Case material.....Black Coated Copper with Non-conducted base

Outline Information and Pin-out

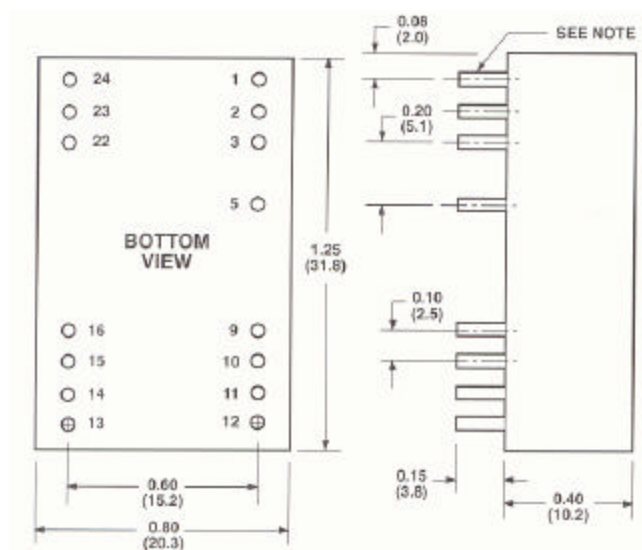
PIN CONNECTION		
Pin	Single	Dual
1	NP	NP
2	-V input	-V input
3	-V input	-V input
5	NP	NP
9	NC	Common
10	NC	NC
11	NC	-V output
12	NP	NP
13	NP	NP
14	+V output	+V output
15	NC	NC
16	-V output	Common
22	+V output	+V output
23	+V output	+V output
24	NP	NP

* NP---No Pin

* NC---No connection with pin

All dimensions are in inches [mm]

All pins sizes are dia. 0.02" [0.508mm] and 0.14"[0.35mm] length



Note:

1. Measured from high line to low line
2. Measured from full load to 10% load
3. Measured from full load to ¼load

The information and specifications contained in this brief are believed to be accurate and reliable at the time of publication. Specifications are subject to change without notice. Refer to product specification sheet for performance characteristics and application guidelines.