E A 7 . 5
S E R I E S

7.5 Watts DIP Type
2:1 Input Range
DC - DC Converter

FEATURES

- 7.5W Isolated Output
- 24-Pin DIP Package
- Efficiency To 87%
- 2:1 Input Range
- Pi Input Filter
- Regulated Outputs
- Continuous Short Circuit Protection
- UL60950-1 Approval
- CE Mark Meets 2004/108/EC
- Without Tantalum Capacitor Inside

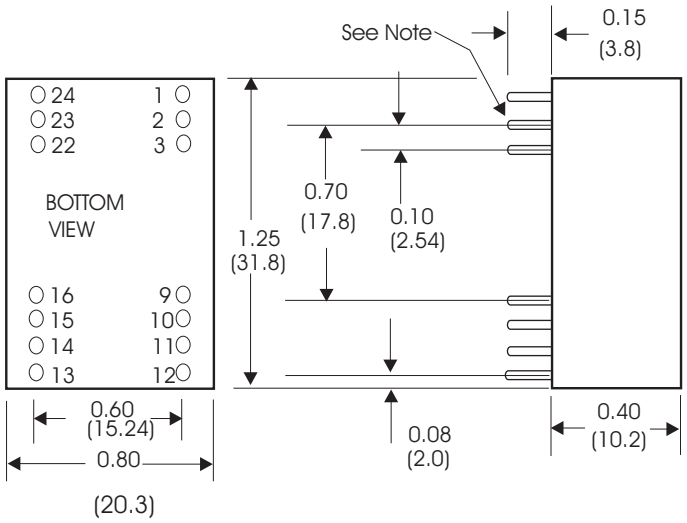
SPECIFICATIONS

Input Filter..... Pi Type
Voltage Accuracy..... ± 2%max.
Voltage Balance(Dual)..... ± 1% max.
Temperature Coefficient..... ± 0.05%/℃
Ripple & Noise (20MHz BW).....(5V).....100mVp-p max.
Short Circuit Protection..... Continuous
Line Regulation, Single/Dual .....(HL-LL).....± 0.2%max.
Load Regulation, Single.....(FL-10%FL).....± 0.5%max.
Dual.....(FL-25%FL).....± 1.0%max.
Efficiency..... See Model List
Isolation Voltage..... .....1500VDC min.
Isolation Resistance..... $10^9\,\Omega$ min.
Switching Frequency..... 300KHz typ.
Operating Ambient Temperature Range..... -40℃ To +85℃
Derating, Above 71℃..... Linearly to Zero power at 100℃
Case Temperature ..... 100℃ max.
Storage Temperature Range..... -40℃ To +100℃
Humidity.....95% RH max. Non condensing
Cooling..... Natural Convection
Case Material:Black coated copper with non-conductive base
Dimensions..... 31.8x20.3x10.2 mm / SMD : 31.8x20.3x11.4mm
Weight 18.4g

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Input Current (mA)		EFF. %
				NoLoad	FullLoad	
Single Output Models						
EA7.5-10	9-18	3.3	1500	25	529	78
EA7.5-11	9-18	5	1500	25	781	80
EA7.5-12	9-18	12	625	25	753	83
EA7.5-13	9-18	15	500	25	744	84
EA7.5-20	18-36	3.3	1500	20	264	78
EA7.5-21	18-36	5	1500	20	377	83
EA7.5-22	18-36	12	625	20	359	87
EA7.5-23	18-36	15	500	20	359	87
EA7.5-30	36-72	3.3	1500	10	136	76
EA7.5-31	36-72	5	1500	10	193	81
EA7.5-32	36-72	12	625	10	184	85
EA7.5-33	36-72	15	500	10	182	86
Dual Output Models						
EA7.5-14	9-18	± 5	± 750	30	772	81
EA7.5-15	9-18	± 12	± 310	30	753	83
EA7.5-16	9-18	± 15	± 250	30	753	83
EA7.5-24	18-36	± 5	± 750	25	372	84
EA7.5-25	18-36	± 12	± 310	25	356	87
EA7.5-26	18-36	± 15	± 250	25	372	84
EA7.5-34	36-72	± 5	± 750	15	191	82
EA7.5-35	36-72	± 12	± 310	15	182	85
EA7.5-36	36-72	± 15	± 250	15	184	85

Note: Nominal Input Voltage 12,24 or 48 VDC

MECHANICAL DRAWING (Unit: inch(mm))



Pin connections 1.5K VDC					
Pin#	Single Output	Dual Output	Pin#	Single Output	Dual Output
1	NP	NP	13	NP	NP
2	-Vi	-Vi	14	+Vo	+Vo
3	-Vi	-Vi	15	NC	NC
5	NP	NP	16	-Vo	Com.
9	NC	Com.	22	+Vi	+Vi
10	NC	NC	23	+Vi	+Vi
11	NC	-Vo	24	NP	NP
12	NP	NP			

*NP-NO PIN
*NC-NO CONNECTION WITH PIN

Note: Pin Size is 0.020" inch (0.5m/m) DIA or 0.020 x 0.014 Inch