



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

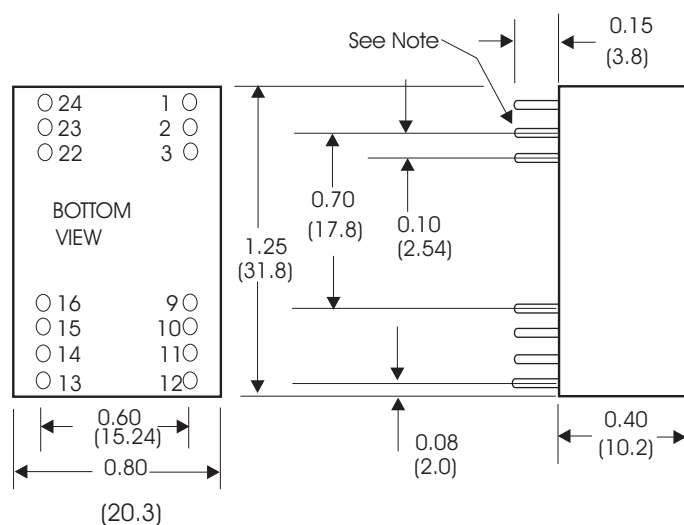
SPECIFICATIONS

Input Filter..... Pi Type
Voltage Accuracy..... $\pm 2\%$ max.
Voltage Balance(Dual)..... $\pm 1\%$ max.
Temperature Coefficient..... $\pm 0.05\%/^{\circ}\text{C}$
Ripple & Noise (20MHz BW)..... (5V)..... 100mVp-p max.
Short Circuit Protection..... Continuous
Line Regulation, Single/Dual (HL-LL)..... $\pm 0.2\%$ max.
Load Regulation, Single (FL-10%FL)..... $\pm 0.5\%$ max.
Dual..... (FL-25%FL)..... $\pm 1.0\%$ max.
Efficiency..... See Model List
Isolation Voltage..... 1500VDC min.
Isolation Resistance..... $10^9 \Omega$ min.
Switching Frequency..... 300KHz typ.
Operating Ambient Temperature Range..... -40°C To $+85^{\circ}\text{C}$
Derating, Above 71°C Linearly to Zero power at 100°C
Case Temperature 100°C max.
Storage Temperature Range..... -40°C To $+100^{\circ}\text{C}$
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))



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

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