E25/E30 SERIES

25 ~ 30 Watts DIP Type
2:1 Input
DC - DC Converter

FEATURES

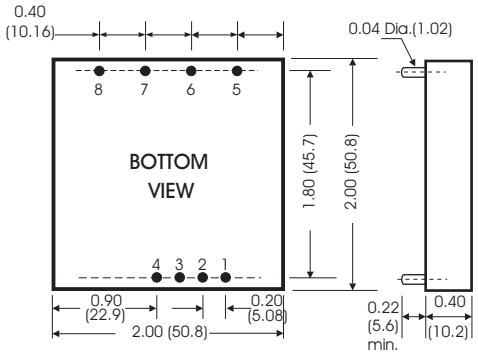
- 25-30W Isolated Output
- 2:1 Input Range
- Efficiency To 88%
- Regulated Outputs
- Remote On/Off Control
- CE Mark Meets 2004/108/EC
- UL60950-1 Approval (optional)

SPECIFICATIONS

Input Voltage Range.....See Model List
Input Filter .....Pi Type
External Trim Adj. Range ..... ± 10%
Ripple & Noise (20MHz BW) .....10mV RMS max. ;75mV p-p max.
Temperature Coefficient ..... ± 0.02%/ ℃
Short Circuit Protection .....Continuous
Line Regulation.....Single/Dual .....(HL-LL).....±0.5% max.
Triple.....(HL-LL).....± 1% max.
Load Regulation.....Single/Dual (FL-25%FL).....± 1% max.
Triple .....(FL-25%FL).....± 5% max.
Isolation Voltage .....500VDC min.
Switching Frequency .....300KHz, Typ.
Case Grounding .....Connected to Output Common
Case Temperature .....100℃ max.
Operating Ambient Temperature Range..... -25℃ To + 71℃
Storage Temperature Range.....-55℃ To +105℃
EMI / RFI ..... Six-Sided Continuous Shield
Case .....Black Coated Copper with Non-Conductive Base
Transient Response : Single, 25% Step Load Change<500u sec.
Dual, FL-1/2L 1% Error Band <500u sec.
Dimensions.....2.00x2.00x0.40 Inches (50.8x50.8x10.2mm)
Weight 65g

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Iutput Current (mA)		EFF. %
				NoLoad	FullLoad	
Single Output Models						
E25-10	9-18	3.3	5000	30	1860	80
E25-11	9-18	5	5000	30	2675	84
E30-12	9-18	12	2500	30	3050	88
E30-13	9-18	15	2000	30	3050	88
E25-20	18-36	3.3	5000	30	920	79
E25-21	18-36	5	5000	30	1336	83
E30-22	18-36	12	2500	30	1525	87
E30-23	18-36	15	2000	30	1525	87
E25-30	36-72	3.3	5000	20	460	79
E25-31	36-72	5	5000	20	660	83
E30-32	36-72	12	2500	20	765	87
E30-33	36-72	15	2000	20	765	87
Dual Output Models						
E25-14	9-18	±5	± 2500	35	2675	83
E30-15	9-18	±12	± 1250	35	3050	88
E30-16	9-18	±15	± 1000	35	3050	87
E25-24	18-36	±5	± 2500	30	1336	82
E30-25	18-36	±12	± 1250	30	1470	87
E30-26	18-36	±15	± 1000	30	1470	86
E25-34	36-72	±5	± 2500	25	660	82
E30-35	36-72	±12	± 1250	25	735	87
E30-36	36-72	±15	± 1000	25	735	87
Triple Output Models						
E25-17	9-18	5/±12	3500/±310	35	2640	81
E25-18	9-18	5/±15	3500/±250	35	2640	82
E25-27	18-36	5/±12	3500/±310	30	1320	82
E25-28	18-36	5/±15	3500/±250	30	1320	82
E25-37	36-72	5/±12	3500/±310	25	655	83
E25-38	36-72	5/±15	3500/±250	25	655	82

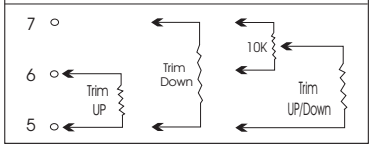
MECHANICAL DRAWING (Unit: inch(mm))



Pin Connections							
Pin#	Single	Dual	Triple	Pin#	Single	Dual	Triple
1	Remote On/Off Control			5	Trim	Trim	-Aux.out
2	N.P.	N.P.	N.P.	6	-Vo	-Vo	Com.
3	-Vi	-Vi	-Vi	7	+Vo	Com.	+5V Out
4	+Vi	+Vi	+Vi	8	N.P.	+Vo	+Aux.out

Remote On/Off Control	
Logic Compatibility	CMOS or Open Collector TTL
EC-On	>+5.5VDC to 75VDCor Open Circuit
EC-Off	<1.8VDC
Shutdown Idle Current	10mA
Control Common	Referenced to Input Minus

External Output Trimming



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