

- 4:1 Input Range
- Isolation Voltage 1500V
- Remote ON/OFF
- DIP24/SMD- Package
- continuous short circuit Protection
- CE Mark meets 2004/108/EC



Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
EU7.5-24S3.3	9-36 V	3.3 VDC	2000 mA	10 mA	344 mA	80
EU7.5-24S05	9-36 V	5 VDC	1600 mA	10 mA	406 mA	82
EU7.5-24S12	9-36 V	12 VDC	666 mA	10 mA	392 mA	85
EU7.5-24S15	9-36 V	15 VDC	530 mA	10 mA	390 mA	85
EU7.5-24D05	9-36 V	±5V	±800 mA	10 mA	406 mA	82
EU7.5-24D12	9-36 V	±12V	±333 mA	10 mA	392 mA	85
EU7.5-24D15	9-36 V	±15V	±265 mA	10 mA	390 mA	85
EU7.5-48S3.3	18-75 V	3.3 VDC	2000 mA	5 mA	172 mA	80
EU7.5-48S05	18-75 V	5 VDC	1600 mA	5 mA	201 mA	83
EU7.5-48S12	18-75 V	12 VDC	666 mA	5 mA	194 mA	86
EU7.5-48S15	18-75 V	15 VDC	530 mA	5 mA	193 mA	86
EU7.5-48D05	18-75 V	±5V	±800 mA	5 mA	201 mA	83
EU7.5-48D12	18-75 V	±12V	±333 mA	5 mA	194 mA	86
EU7.5-48D15	18-75 V	±15V	±265 mA	5 mA	193 mA	86

All Specifications are Typical at Nominal Line, Full load, and 25°C Unless Otherwise Noted / © TECHNO-PROJEKT 2010

INPUT SPECIFICATIONS

INPUT VOLTAGE RANGE	24V.....	9V-36V
	48V.....	18V-72V
INPUT FILTER.....		PI Type
INPUT UNDER-VOLTAGE LOCKOUT.....	24Vin power up	8.8Vtyp
	24Vin power down	8.0Vtyp
	48Vin power up	17Vtyp
	48Vin power down	16Vtyp

Technische Änderungen vorbehalten / Technical change reserved

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Positive Logic Remote on/off Control: (Note 3)

Logic CompatibilityCMOS or Open Collector TTL, ref. To $-V_{in}$
 Modul ON $> +3.5VDC$ or Open Circuit
 Modul OFF $< 1.2V$

OUTPUT SPECIFICATIONS

Voltage Accuracy..... $\pm 1.5\%$ max
 Voltage Balance (Dual) $\pm 2.0\%$ max
 Transient Response: 75% \rightarrow 100% step load change
 Error Band $\pm 5.0\%$ V_{out} nominal, Recovery time $< 500\mu s$
 RIPPLE AND NOISE, 20MHz BW V_o 3.3 & 5V max. 75mVpp
 V_o 12 & 15V max. 100mVpp
 Temperature Coefficient $\pm 0.03\%/C$ max
 Line Regulation¹ Single/Dual $\pm 0.5\%$ max
 Load Regulation² Single $\pm 0.5\%$ max
 Dual³ $\pm 1.0\%$ max
 Short Circuit Protection continuous
 Cross Regulation (Dual Output) Load cross variation 25%/100% $\pm 5\%$ max
 Over Voltage Protection Zener or TVS Clamp

GENERAL SPECIFICATIONS

ISOLATION VOLTAGE..... 1500VDC min.
 ISOLATION RESISTANCE 1000 MOhm
 ISOLATION CAPACITANCE 1000pF typ.
 SWITCHING FREQUENCY..... 100KHz min
 OPERATING TEMPERATURE RANGE..... $-40^{\circ}C$ TO $+85^{\circ}C$
 DERATING, ABOVE $71^{\circ}C$ LINEARY TO ZERO POWER AT $100^{\circ}C$
 CASE TEMPERATURE⁵ $100^{\circ}C$ max.
 STORAGE TEMPERATURE RANGE..... $-55^{\circ}C$ TO $+125^{\circ}C$
 CASE MATERIAL Black Coated Copper with Non-Conductive Base
 DIMENSIONS DIP24..... 1,25x0,80x0,40 INCHES (31.8 x 20.3 x 10.2mm)
 SMD 1,25x0,80x0,45 INCHES (31.8 x 20.3 x 11.4mm)

NOTE:

1. Measured From High Line To Low Line
2. Measured From Full Load To min Load
3. Suffix "S" for Model Number with SMD-Package
5. Maximum case temperature under any operating conditions should not exceed $100^{\circ}C$

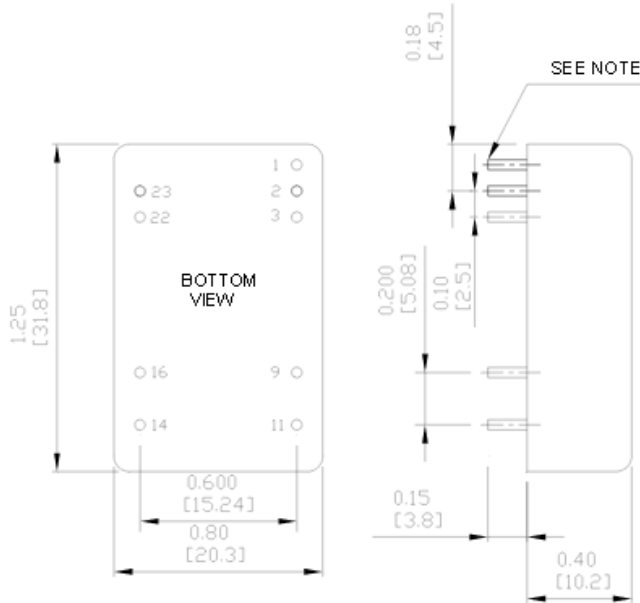
Ordering Instructions

EU7.5	-	24	S	12	S
Series		Input	Single Dual	Output	Option SMD

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MECHANICAL SPECIFICATIONS	PIN CONNECTION
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NOTE: Pin Size = 0.02" (0.5mm) Ø

Pin	Single Output		Dual Output	
	DIP24	SMD	DIP24	SMD
1	Remote ON/OFF	Remote ON/OFF	Remote ON/OFF	Remote ON/OFF
2,3	- Vin		- Vin	
4,5	NP	NC	NP	NC
9	NP	NC	Common	
10	NP	NC	NC	
11	NC		- Vout	
12	NP	NC	NP	NC
13	NP	+ Vout	NP	NC
14	+ Vout		+ Vout	
15	NP	- Vout	NP	NC
16	- Vout		Common	
20,21,24	NP	NC	NP	NC
22,23	+ Vin		+ Vin	

DERATING CURVE

