

- 4:1 Input Range
- Isolation Voltage 1500V
- Remote ON/OFF
- High Efficiency up to 90%
- continuous short circuit Protection
- EMI meets EN55022 Class A



Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
EU15-24S3.3	9-36 V	3.3 VDC	4000 mA	8 mA	625 mA	88
EU15-24S05	9-36 V	5 VDC	3000 mA	8 mA	694 mA	90
EU15-24S12	9-36 V	12 VDC	1250 mA	8 mA	694 mA	90
EU15-24S15	9-36 V	15 VDC	1000 mA	8 mA	694 mA	90
EU15-24D12	9-36 V	±12V	±625 mA	8 mA	702 mA	89
EU15-24D15	9-36 V	±15V	±500 mA	8 mA	694 mA	90
EU15-48S3.3	18-75 V	3.3 VDC	4000 mA	6 mA	309 mA	89
EU15-48S05	18-75 V	5 VDC	3000 mA	6 mA	347 mA	90
EU15-48S12	18-75 V	12 VDC	1250 mA	6 mA	347 mA	90
EU15-48S15	18-75 V	15 VDC	1000 mA	6 mA	347 mA	90
EU15-48D12	18-75 V	±12V	±625 mA	6 mA	351 mA	89
EU15-48D15	18-75 V	±15V	±500 mA	6 mA	347 mA	90

All Specifications are Typical at Nominal Line, Full load, and 25°C Unless Otherwise Noted / © TECHNO-PROJEKT 2013

INPUT SPECIFICATIONS

INPUT VOLTAGE RANGE	24V..... 9V-36V
	48V.....18V-75V
INPUT SURGE VOLTAGE (100ms max)	24V..... 50Vdc max
	48V.....100Vdc max
INPUT UNDER-VOLTAGE LOCKOUT.....	24Vin power up 8.8Vtyp
	24Vin power down 8.0Vtyp
	48Vin power up17Vtyp
	48Vin power down16Vtyp
INPUT FILTER.....	PI Type

Technische Änderungen vorbehalten / Technical changes reserved

R14010

Positive Logic Remote on/off Control:

Logic Compatibility	CMOS or Open Collector TTL, ref. to $-V_{in}$
Modul ON	$> +3.5V_{DC}$ or Open Circuit
Modul OFF	$< 1.2V_C$

OUTPUT SPECIFICATIONS

Voltage Accuracy.....		$\pm 1.5\%$ max
Voltage Balance (Dual)		$\pm 1.0\%$ max
Transient Response: 75% \rightarrow 100% step load change		
Error Band	$\pm 5.0\%$ V_{out} nominal, Recovery time	$< 250\mu s$
RIPPLE AND NOISE, 20MHz BW		max. 75mVpp
Temperature Coefficient		$\pm 0.03\%/C$ max
Line Regulation ¹	Single	$\pm 0.2\%$ max
	Dual	$\pm 0.5\%$ max
Load Regulation ²	Single	$\pm 0.5\%$ max
	Dual	$\pm 1.0\%$ max
Short Circuit Protection	(Hiccup mode)	continuous
Cross Regulation (Dual Output) Load cross variation 25%/100%		$\pm 5\%$ max
Over Voltage Protection		Zener or TVS Clamp
Start up time		15ms typ.

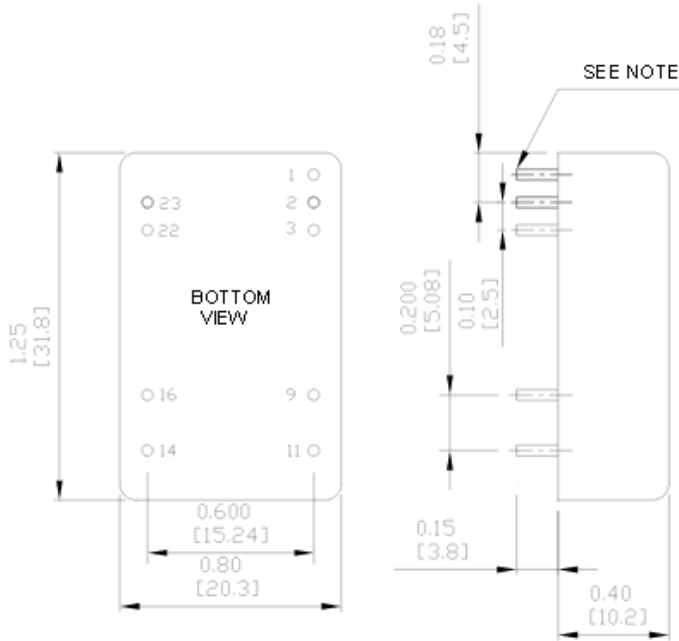
GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....		1500VDC min.
ISOLATION RESISTANCE		1000 MOhm
ISOLATION CAPACITANCE		1000pF typ.
SWITCHING FREQUENCY.....		300KHz min
OPERATING TEMPERATURE RANGE.....		$-40^{\circ}C$ TO $+85^{\circ}C$
DERATING, ABOVE $65^{\circ}C$		LINEARY TO ZERO POWER AT $105^{\circ}C$
CASE TEMPERATURE ⁴		$105^{\circ}C$ max.
STORAGE TEMPERATURE RANGE.....		$-40^{\circ}C$ TO $+125^{\circ}C$
CASE MATERIAL		Black Coated Copper with Non-Conductive Base
DIMENSIONS	DIP24.....	1,25x0,80x0,40 INCHES ($31.8 \times 20.3 \times 10.2mm$)

NOTE:

1. Measured From High Line To Low Line
2. Measured From Full Load To min Load
3. Maximum case temperature under any operating conditions should not exceed $105^{\circ}C$

MECHANICAL SPECIFICATIONS	PIN CONNECTION
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	Single Output	Dual Output
Pin	DIP24	DIP24
1	Remote ON/OFF	Remote ON/OFF
2,3	- Vin	- Vin
9	NP	Common
11	NC	- Vout
14	+ Vout	- Vout
16	- Vout	Common
22,23	+ Vin	+ Vin

NOTE: Pin Size = 0.02" (0.5mm) Ø
 Dimensions in Inches (mm)
 Tolerances: Inches x.xx = ±0.02; x.xxx = ±0.001
 mm x.xx = ±0.02; x.xxx = ±0.001

DERATING CURVE

