

- 4:1 Input Range
- DIP24/SMD- Package
- Option: Meets EN55022 Class B
- Option: Extended Temp range
- Continuous short circuit Protection



Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
EU5-24S3.3	9-36 V	3.3 VDC	1000 mA	15 mA	191 mA	72
EU5-24S05	9-36 V	5 VDC	1000 mA	15 mA	267 mA	78
EU5-24S12	9-36 V	12 VDC	470 mA	15 mA	294 mA	80
EU5-24S15	9-36 V	15 VDC	400 mA	15 mA	313 mA	80
EU5-24D05	9-36 V	±5V	±500 mA	25 mA	267 mA	78
EU5-24D12	9-36 V	±12V	±230 mA	25 mA	288 mA	80
EU5-24D15	9-36 V	±15V	±190 mA	25 mA	297 mA	80
EU5-48S3.3	18-72 V	3.3 VDC	1000 mA	7.5 mA	100 mA	70
EU5-48S05	18-72 V	5 VDC	1000 mA	7.5 mA	134 mA	78
EU5-48S12	18-72 V	12 VDC	470 mA	7.5 mA	149 mA	79
EU5-48S15	18-72 V	15 VDC	400 mA	7.5 mA	157 mA	80
EU5-48D05	18-72 V	±5V	±500 mA	12 mA	135 mA	77
EU5-48D12	18-72 V	±12V	±230 mA	12 mA	146 mA	79
EU5-48D15	18-72 V	±15V	±190 mA	12 mA	149 mA	80

All Specifications are Typical at Nominal Line, Full load, and 25°C Unless Otherwise Noted / © TECHNO-PROJEKT 2007

### INPUT SPECIFICATIONS

INPUT UNDER-VOLTAGE LOCKOUT.....	24V .....	9V-36V
	48V.....	18V-72V
INPUT FILTER.....		PI Type

### OUTPUT SPECIFICATIONS

Voltage Accuracy.....		±2.0% max
Voltage Balance (Dual) .....		± 1.0% max
RIPPLE AND NOISE, 20MHz BW .....	3.3V & 5V .....	max. 100mVpp
	12V & 15V .....	max. 1%pp
Temperature Coefficient .....		±0.05%/C max
Line Regulation <sup>1</sup> .....	Single/Dual .....	±0.5%max
Load Regulation .....	Single <sup>2</sup> .....	±0.5%max
	Dual <sup>3</sup> .....	±1.0%max
Short Circuit Protection .....		continuous

### GENERAL SPECIFICATIONS

ISOLATION RESISTANCE .....		1000 MOhm
SWITCHING FREQUENCY.....		200KHz min
OPERATING TEMPERATURE RANGE.....		-25°C TO +71°C
DERATING, ABOVE 71°C .....		LINEARY TO ZERO POWER AT 100 °C
CASE TEMPERATURE <sup>6</sup> .....	(Plastic Case).....	95°Cmax.
	(Copper Case).....	100°Cmax.
STORAGE TEMPERATURE RANGE.....		-40°C TO +100°C
CASE MATERIAL .....	(Standard) .....	Black Coated Copper with Non-Conductive Base
	(Plastic Case).....	Non-Conductive Black Plastic
DIMENSIONS .....	DIP24.....	1,25×0,80×0,40 INCHES (31.8 × 20.3 × 10.2mm)
	SMD <sup>5</sup> .....	1,25×0,80×0,45 INCHES (31.8 × 20.3 × 11.4mm)

### ISOLATION VOLTAGE

1500VDC min .....	Standard
3000VDC min <sup>4</sup> .....	Suffix H

### NOTE:

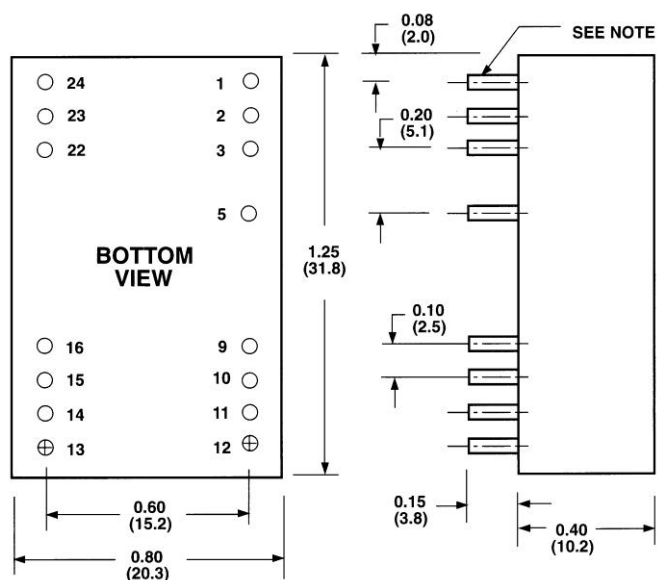
1. Measured From High Line To Low Line
2. Measured From Full Load To 10% Load
3. Measured From Full Load To 25% Load
4. Non conductive Plastic only
5. Suffix "S" to Model Number with SMD-Package (only Metal Case)
6. Maximum case temperature under any operating conditions should not exceed 100°C (Copper Case) and 95°C (Plastic Case)

### Ordering Instructions

EU5 - 24 S 12 S

Series	Input	Single	Output	Option SMD (only Metal Case)
		Dual		H (Viso 3000V)
				T (Operat. Temp without Derating -40°C...+85°C)

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

1500V & 3kV				
Pin	Single Output		Dual Output	
	DIP24	SMD	DIP24	SMD
1,24	NP	NC	NP	NC
2,3	- Vin		- Vin	
4,5	NP	NC	NP	NC
9	NC		Common	
10,15	NC		NC	
11	NC		- Vout	
12,13	NP	NC	NP	NC
14	+ Vout		+ Vout	
16	- Vout		Common	
20,21	NP	NC	NP	NC
22,23	+ Vin		+ Vin	

### DERATING CURVE

