

- **2:1 Input Range**
- **Efficiency to 89%**
- **DIP24/SMD- Package**
- **Isolation Voltage 1500V**
- **continuous short circuit Protection**



Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
EW10-12S2.5	9-18 V	2.5 VDC	3000 mA	40 mA	735 mA	85
EW10-12S3.3	9-18 V	3.3 VDC	3000 mA	50 mA	971 mA	85
EW10-12S05	9-18 V	5 VDC	2000 mA	60 mA	947 mA	85
EW10-12S12	9-18 V	12 VDC	835 mA	40 mA	949 mA	88
EW10-12S15	9-18 V	15 VDC	666 mA	40 mA	946 mA	88
EW10-12D12	9-18 V	±12V	±416 mA	30 mA	956 mA	88
EW10-12D15	9-18 V	±15V	±333 mA	30 mA	968 mA	87
EW10-24S2.5	9-18 V	2.5 VDC	3000 mA	30 mA	368 mA	86
EW10-24S3.3	18-36 V	3.3 VDC	3000 mA	30 mA	480 mA	85
EW10-24S05	18-36 V	5 VDC	2000 mA	30 mA	473 mA	86
EW10-24S12	18-36 V	12 VDC	835 mA	30 mA	469 mA	88
EW10-24S15	18-36 V	15 VDC	666 mA	30 mA	473 mA	89
EW10-24D12	18-36 V	±12V	±416 mA	20 mA	467 mA	89
EW10-24D15	18-36 V	±15V	±333 mA	20 mA	478 mA	87
EW10-48S2.5	18-36 V	2.5 VDC	3000 mA	15 mA	184 mA	85
EW10-48S3.3	36-75 V	3.3 VDC	3000 mA	15 mA	243 mA	85
EW10-48S05	36-75 V	5 VDC	2000 mA	15 mA	237 mA	88
EW10-48S12	36-75 V	12 VDC	835 mA	15 mA	235 mA	89
EW10-48S15	36-75 V	15 VDC	666 mA	15 mA	237 mA	88
EW10-48D12	36-75 V	±12V	±416 mA	10 mA	236 mA	88
EW10-48D15	36-75 V	±15V	±333 mA	10 mA	242 mA	86

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

INPUT SPECIFICATIONS

INPUT UNDER-VOLTAGE LOCKOUT.....	12Vin power down	8V typ
	12Vin power up....	8.8V typ
	24Vin power down.....	16V typ
	24Vin power up	17V typ
	48Vin power down	32V typ
	48Vin power up.....	34V typ
INPUT FILTER.....		PI Type

OUTPUT SPECIFICATIONS

Voltage Accuracy.....		±1.5% max
Voltage Balance (Dual)		± 2% max
RIPPLE AND NOISE, 20MHz BW	Single	max. 75mVpp
	Dual	max. 100mVpp
Temperature Coefficient		±0.05%/C max
Line Regulation ¹	Single	±0.2%max
	Dual	±0.5%max
Load Regulation ²	Single DIP24.....	±0.5%.....SMD
	Dual	±1.0%max
Short Circuit Protection		continuous
Over Voltage Protection...(Single Output only).....(Zenerdiode)		
	2.5 & 3.3V	3.9V typ. 5V
	12V	15V typ. 15V
		6.2V typ. 18V typ.

GENERAL SPECIFICATIONS

ISOLATION VOLTAGE.....		1500VDC min.
ISOLATION RESISTANCE		1000 MOhm
SWITCHING FREQUENCY.....		380KHz min
OPERATING TEMPERATURE RANGE.....		-40°C TO +85°C
DERATING, ABOVE 71°C		LINEARY TO ZERO POWER AT 100 °C
CASE TEMPERATURE ⁵		100°Cmax.
STORAGE TEMPERATURE RANGE.....		-40°C TO +125°C
CASE MATERIAL		Black Coated Copper with Non-Conductive Base
DIMENSIONS	DIP24.....	1,25×0,80×0,40 INCHES (31.8 × 20.3 × 10.2mm)
	SMD	1,25×0,80×0,45 INCHES (31.8 × 20.3 × 11.4mm)

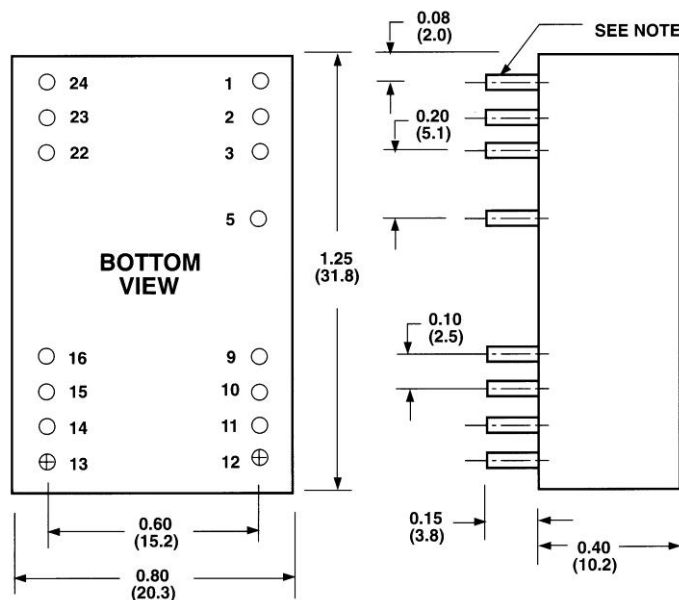
NOTE:

1. Measured From High Line To Low Line
2. Measured From Full Load To 10% Load
3. Suffix "S" for Model Number with SMD-Package
4. Maximum case temperature under any operating conditions should not exceed 100°C

Ordering Instructions

EW10 - 24 S 12 S
 Series Input **Single** Output Option **SMD**
Dual

MECHANICAL SPECIFICATIONS PIN CONNECTION



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	NP	NC	Common	
10	NP	NC	NC	
11	NC	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	NP	NC	NP	NC
22,23	+ Vin	+ Vin	+ Vin	+ Vin

NOTE: Pin Size = 0.02" (0.5mm) Ø

DERATING CURVE

