

- **2:1 Input Range**
- **Isolation Voltage 500V/ 1500V/ 3000V**
- **DIP24/SMD- Package**
- **Option: Ext. Temp. Range**
- **Option: Meet EN55022 Class B**



Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
EW3-05S3.3	4.5-6 V	3.3 VDC	600 mA	15 mA	582 mA	68
EW3-05S05	4.5-6 V	5 VDC	600 mA	15 mA	800 mA	75
EW3-05S12	4.5-6 V	12 VDC	250 mA	15 mA	759 mA	79
EW3-05S15	4.5-6 V	15 VDC	200 mA	15 mA	779 mA	77
EW3-05D05	4.5-6 V	±5V	±300 mA	25 mA	779 mA	77
EW3-05D12	4.5-6 V	±12V	±125 mA	25 mA	789 mA	76
EW3-05D15	4.5-6 V	±15V	±100 mA	25 mA	800 mA	75
EW3-S3.3	9-18 V	3.3 VDC	600 mA	7.5 mA	229 mA	72
EW3-12S05	9-18 V	5 VDC	600 mA	7.5 mA	325 mA	77
EW3-12S12	9-18 V	12 VDC	250 mA	7.5 mA	313 mA	80
EW3-12S15	9-18 V	15 VDC	200 mA	7.5 mA	316 mA	79
EW3-12D05	9-18 V	±5V	±300 mA	12 mA	325 mA	77
EW3-12D12	9-18 V	±12V	±125 mA	12 mA	325 mA	77
EW3-12D15	9-18 V	±15V	±100 mA	12 mA	316 mA	79
EW3-24S3.3	18-36 V	3.3 VDC	600 mA	5 mA	111 mA	74
EW3-24S05	18-36 V	5 VDC	600 mA	5 mA	158 mA	79
EW3-24S12	18-36 V	12 VDC	250 mA	5 mA	156 mA	80
EW3-24S15	18-36 V	15 VDC	200 mA	5 mA	152 mA	82
EW3-24D05	18-36 V	±5V	±300 mA	7.5 mA	162 mA	77
EW3-24D12	18-36 V	±12V	±125 mA	7.5 mA	158 mA	79
EW3-24D15	18-36 V	±15V	±100 mA	7.5 mA	154 mA	81

Model Number	Input Voltage	Output Voltage	Output Current	Input No Load	Current Full Load	% Eff.
EW3-48S3.3	36-72 V	3.3 VDC	600 mA	2 mA	57 mA	72
EW3-48S05	36-72 V	5 VDC	600 mA	2 mA	78 mA	79
EW3-48S12	36-72 V	12 VDC	250 mA	2 mA	78 mA	80
EW3-48S15	36-72 V	15 VDC	200 mA	2 mA	78 mA	80
EW3-48D05	36-72 V	±5V	±300 mA	3 mA	80 mA	78
EW3-48D12	36-72 V	±12V	±125 mA	3 mA	80 mA	78
EW3-48D15	36-72 V	±15V	±100 mA	3 mA	80 mA	78

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

INPUT SPECIFICATIONS

INPUT UNDER-VOLTAGE LOCKOUT.....	12V	9V-18V
	24V.....	18V-36V
	48V.....	36V-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	Single/Dual ¹	±0.5%max
Load Regulation	Single ²	±0.5%max
	Dual ³	±1.0%max
Short Circuit Protection		continuous

GENERAL SPECIFICATIONS

ISOLATION RESISTANCE		1000 MOhm
SWITCHING FREQUENCY.....		100KHz min
OPERATING TEMPERATURE RANGE.....		-25°C TO +71°C
DERATING, ABOVE 71°C		LINEARY TO ZERO POWER AT 100 °C
CASE TEMPERATURE ⁶	(Plastic Case).....	95°Cmax.
	(Copper Case).....	100°Cmax.
STORAGE TEMPERATURE RANGE.....		-40°C TO +100°C
CASE MATERIAL	(Standard) ⁵	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	1,25×0,80×0,45 INCHES (31.8 × 20.3 × 11.4mm)

ISOLATION VOLTAGE

500VDC min	Standard
1500VDC min	Suffix H
3000VDC min ⁴	Suffix HP

NOTE:

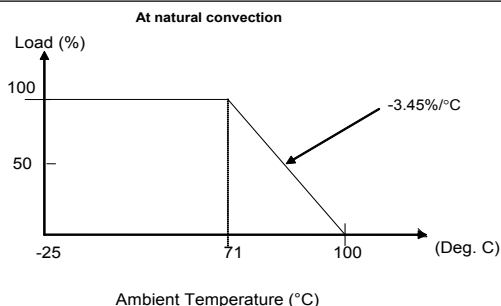
1. Measured From High Line To Low Line
2. Measured From Full Load To 10% Load
3. Measured From Full Load To 25% Load
4. Non conductive Plastic only
5. Suffix "S" to Model Number with SMD-Package (only Metal Case)
6. Maximum case temperature under any operating conditions should not exceed 100°C (Copper Case) and 95°C (Plastic Case)
7. Suffix "E" to Model Number with EMI EN55022 Class B and Remote ON/OFF

ORDERING INSTRUCTIONS

EW3 - 24 S 12 S

Series	Input	Single Dual	Output	Option SMD (only Metal Case) P (Plastic Case) H (Viso 1500VDC) HP (Viso 3kVDC) T (Operat. Temp without Derating -40°C...+85°C) E (EMI EN55022 Class B and Remote ON/OFF)

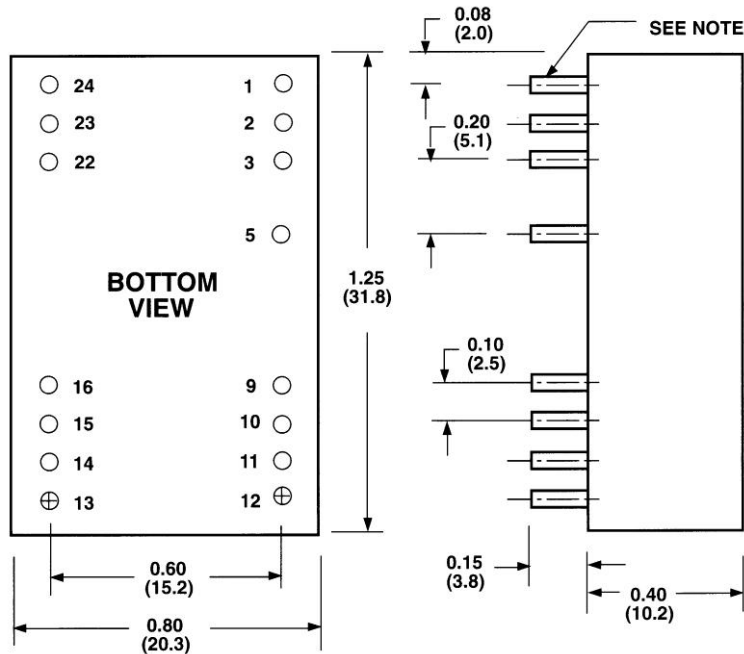
DERATING CURVE



REMOTE ON/OFF

Logic Compatibility	Open collector TTL refer to -Input
Modul ON	> 5.5V or Open Circuit
Module OFF	<1.8 VDC
Shutddown Idle	10mA
Control Common	referenced to -Input

MECHANICAL SPECIFICATIONS



NOTE: Pin Size = 0.02" (0.5mm) Ø

PIN CONNECTION

500VDC					1500V & 3kV				
Pin	Single Output		Dual Output		Pin	Single Output		Dual Output	
	DIP24	SMD	DIP24	SMD		DIP24	SMD	DIP24	SMD
1,24	+ Vin		+ Vin		1,24	NP	NC	NP	NC
2,23	NC		- Vout		2,3	- Vin		- Vin	
3,22	NC		Common		4,5	NP	NC	NP	NC
4	NP	NC	NP	NC	9	NC		Common	
5	NP	NC	NP	NC	10,15	NC		NC	
9	NP	NC	NP	NC	11	NC		- Vout	
10,15	- Vout		Common		12,13	NP	NC	NP	NC
11,14	+ Vout		+ Vout		14	+ Vout		+ Vout	
12,13	- Vin		- Vin		16	- Vout		Common	
16	NP	NC	NP	NC	20,21	NP	NC	NP	NC
20,21	NP	NC	NP	NC	22,23	+ Vin		+ Vin	