

DC-DC Converters

**POWER
SOLVE**

TEN40WI Series, 40 Watt

www.powersolve.co.uk

Features

- Ultra wide 4:1 input range
- High efficiency up to 88%
- I/O isolation 1500VDC
- Operating temperature range -40°C to +75°C
- Short circuit protection
- Adjustable output voltages
- Remote On/Off
- High power density in a 50.8 x 50.8 x 10.2 mm Metal package



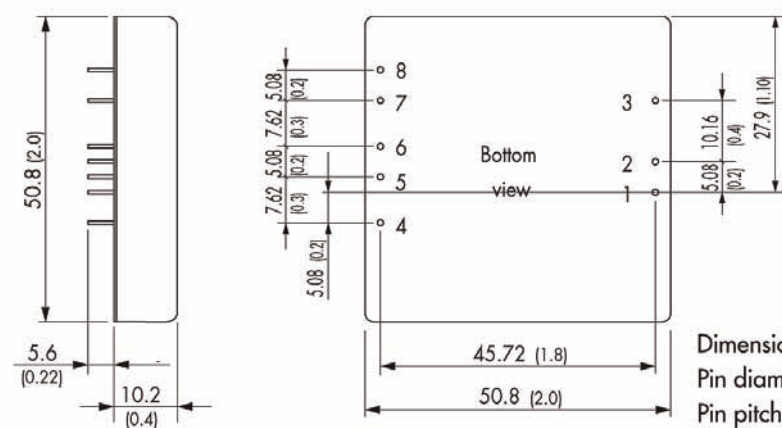
Electrical Specification

Output Voltage Adjustment	±10% by external resistor
Conducted EMI	EN55022 class A & FCC level A (with external capacitor)
Short Circuit Protection	continuous, automatic recovery
Operating Temperature Range	-40°C to +75°C (with derating)
Thermal protection	Shutdown at 115°C
I/O Isolation test voltage	1500VDC
Safety Approvals	cUL/UL 60950-1, IEC/EN 60950-1
Casing	metal, 6-side shielded with insulated baseplate
Remote On/Off	Shutdown input for low input current (3mA) in standby operation

Output Voltage and Current Ratings

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFF.
TEN 40-2410WI	9 - 36V	3.3VDC	10000mA	50mV pk-pk max.	0.2%	0.5%	86%
TEN 40-2411WI		5VDC	8000mA	50mV pk-pk max.	0.2%	0.5%	87%
TEN 40-2412WI		12VDC	3330mA	75mV pk-pk max.	0.2%	0.5%	87%
TEN 40-2413WI		15VDC	2660mA	75mV pk-pk max.	0.2%	0.5%	87%
TEN 40-2422WI		±12VDC	±1660mA	150mV pk-pk max.	0.2%	1.0%	86%
TEN 40-2423WI	18 - 75V	±15VDC	±1330mA	150mV pk-pk max.	0.2%	1.0%	86%
TEN 40-4810WI		3.3VDC	10000mA	50mV pk-pk max.	0.2%	0.5%	86%
TEN 40-4811WI		5VDC	8000mA	50mV pk-pk max.	0.2%	0.5%	88%
TEN 40-4812WI		12VDC	3330mA	75mV pk-pk max.	0.2%	0.5%	87%
TEN 40-4813WI		15VDC	2660mA	75mV pk-pk max.	0.2%	0.5%	87%
TEN 40-4822WI		±12VDC	±1660mA	150mV pk-pk max.	0.2%	1.0%	86%
TEN 40-4823WI		±15VDC	±1330mA	150mV pk-pk max.	0.2%	1.0%	86%

Mechanical and Connection Details



Pin	Single Output	Dual Output
1	+Vin (Vcc)	+Vin (Vcc)
2	-Vin (GND)	-Vin (GND)
3	Remote On/Off	Remote On/Off
4	-Sense	+Vout
5	+Sense	Common
6	+Vout	Common
7	-Vout	-Vout
8	Trim	Trim

Dimensions in [mm], (I) = Inch
Pin diameter: 1.0 ±0.05 (0.04 ±0.002)
Pin pitch tolerances: ±0.35 (±0.014)
Case tolerances: ±0.5 (±0.02)