

DC-DC Converters

**POWER
SOLVE**

TEL15 Series, 15 Watt

www.powersolve.co.uk

Features

- 50.8 x 25.4 x 10.2 mm Metal package
- Wide 2 : 1 input range
- High efficiency up to 86%
- Operating temperature range -40°C to +75°C
- Short circuit protection
- Industry standard pin outs
- Cost optimized design



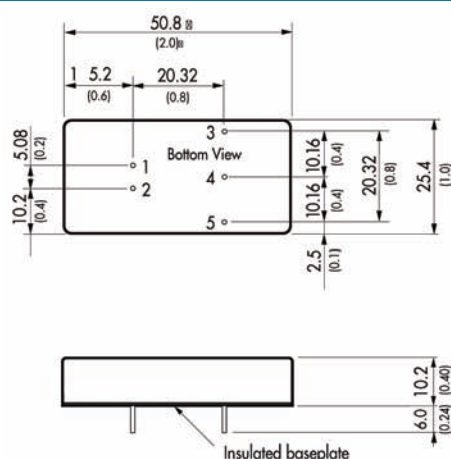
Electrical Specification

Input filter	Pi filter
Short Circuit Protection	continuous, automatic recovery
Operating Temperature Range	-40°C to +75°C (derate at 2.5%/°C above 60°C)
I/O Isolation test voltage	1500VDC
Safety Approvals	cUL/UL 60950-1, IEC/EN 60950-1, CB
Casing	metal, 6-side shielded with insulated baseplate

Output Voltage and Current Ratings

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFF.
TEL 15-1210	9 - 18V	3.3VDC	3000mA	50mV pk-pk max.	1.0%	0.5%	78%
TEL 15-1211		5.1VDC	3000mA	50mV pk-pk max.	1.0%	0.5%	81%
TEL 15-1212		12VDC	1250mA	50mV pk-pk max.	1.0%	0.5%	86%
TEL 15-1213		15VDC	1000mA	50mV pk-pk max.	1.0%	0.5%	86%
TEL 15-1222		±12VDC	±625mA	75mV pk-pk max.	1.0%	1.0%	86%
TEL 15-1223	18 - 36V	±15VDC	±500mA	75mV pk-pk max.	1.0%	1.0%	86%
TEL 15-2410		3.3VDC	3000mA	50mV pk-pk max.	1.0%	0.5%	78%
TEL 15-2411		5.1VDC	3000mA	50mV pk-pk max.	1.0%	0.5%	81%
TEL 15-2412		12VDC	1250mA	50mV pk-pk max.	1.0%	0.5%	86%
TEL 15-2413		15VDC	1000mA	50mV pk-pk max.	1.0%	0.5%	86%
TEL 15-2422	36 - 75V	±12VDC	±625mA	75mV pk-pk max.	1.0%	1.0%	86%
TEL 15-2423		±15VDC	±500mA	75mV pk-pk max.	1.0%	1.0%	86%
TEL 15-4810		3.3VDC	3000mA	50mV pk-pk max.	1.0%	0.5%	78%
TEL 15-4811		5.1VDC	3000mA	50mV pk-pk max.	1.0%	0.5%	81%
TEL 15-4812		12VDC	1250mA	50mV pk-pk max.	1.0%	0.5%	86%
TEL 15-4813		15VDC	1000mA	50mV pk-pk max.	1.0%	0.5%	86%
TEL 15-4822		±12VDC	±625mA	75mV pk-pk max.	1.0%	1.0%	86%
TEL 15-4823		±15VDC	±500mA	75mV pk-pk max.	1.0%	1.0%	86%

Mechanical and Connection Details



Pin	Single Output	Dual Output
1	+Vin (Vcc)	+Vin (Vcc)
2	-Vin (GND)	-Vin (GND)
3	+Vout	+Vout
4	No Pin	Common
5	-Vout	-Vout

Dimensions in [mm], (I) = Inch
Pin diameter: 1.0 ±0.05 (0.02 ±0.002)
Pin pitch tolerances: ±0.13 (±0.005)
Case tolerances: ±0.25 (±0.01)