

# DC-DC Converters

**POWER  
SOLVE**

## TEL 30 Series, 30 Watt

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### Features

- 50.8 x 25.4 x 10.2 mm Metal package
- Wide 2 : 1 input range
- High efficiency up to 88%
- Operating temperature range -40°C to +70°C
- Short circuit protection
- Adjustable output voltage
- Industry standard pin outs



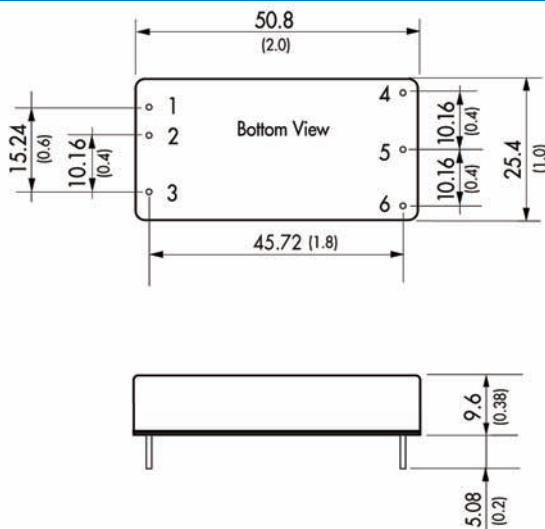
### Electrical Specification

Output Voltage Adjustment	±10% by external resistor
Input filter	Pi-filter
Short Circuit Protection	continuous, automatic recovery
Operating Temperature Range	-40°C to +70°C (derate at 2%/°C above 50°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 30-2409		2.5VDC	6000mA	100mV pk-pk max.	0.3%	1.0%	84%
TEL 30-2410		3.3VDC	6000mA	100mV pk-pk max.	0.3%	1.0%	86%
TEL 30-2411	18 - 36V	5.1VDC	5000mA	100mV pk-pk max.	0.3%	1.0%	84%
TEL 30-2412		12VDC	2500mA	100mV pk-pk max.	0.3%	1.0%	88%
TEL 30-2413		15VDC	2000mA	100mV pk-pk max.	0.3%	1.0%	88%
TEL 30-4809		2.5VDC	6000mA	100mV pk-pk max.	0.3%	1.0%	84%
TEL 30-4810		3.3VDC	6000mA	100mV pk-pk max.	0.3%	1.0%	86%
TEL 30-4811	36 - 75V	5.1VDC	5000mA	100mV pk-pk max.	0.3%	1.0%	84%
TEL 30-4812		12VDC	2500mA	100mV pk-pk max.	0.3%	1.0%	88%
TEL 30-4813		15VDC	2000mA	100mV pk-pk max.	0.3%	1.0%	88%

### Mechanical and Connection Details



Pin	Single Output
1	+Vin (Vcc)
2	-Vin (GND)
3	No Pin (or optional Remote On/Off)
4	+Vout
5	-Vout
6	Trim

Dimensions in [mm], [ ] = Inch  
 Pin diameter: 1.0 ±0.05 (0.039 ±0.002)  
 Pin pitch tolerance: ±0.25 (±0.01)  
 Case tolerances: ±0.5 (±0.02)