

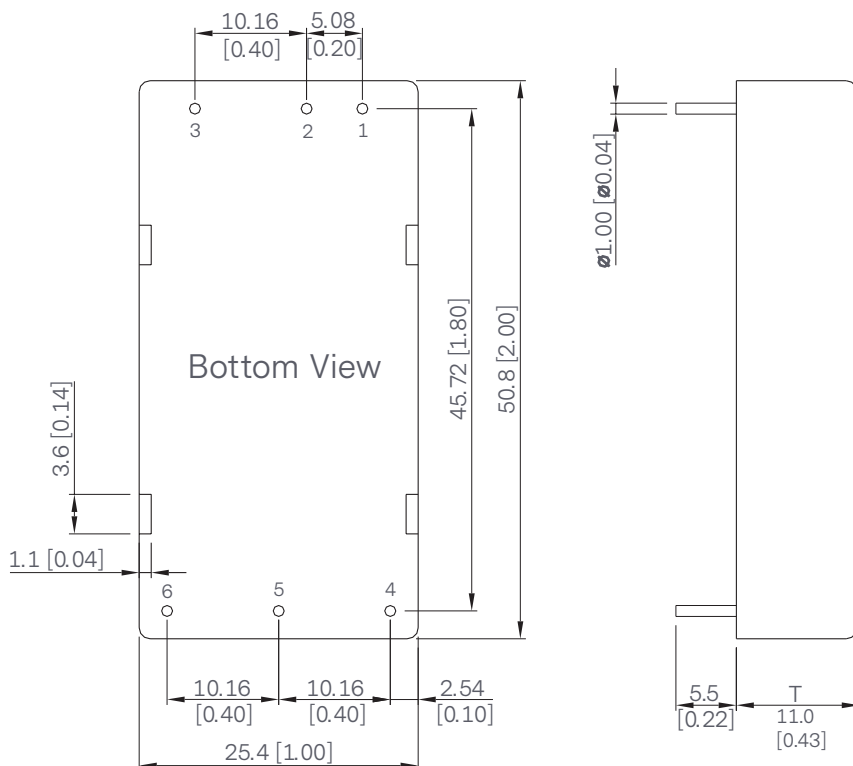
ELECTRICAL SPECIFICATIONS

Input	
Input range	9 to 36 Vdc; 18 to 75 Vdc
Efficiency	92% @ 12 Vo
Output	
Voltage tolerance	±1.0%
Line regulation	±0.5%
Load regulation	Single output: ±0.5%
Noise/ripple	3.3 Vo, 5 Vo: 100 mV Others: 150 mV
OCV and S/C protection	Hiccup
Overvoltage protection	Latched
OTP protection	Latched
Switching frequency	285 KHz
Temperature coefficient	±0.02 /°C
Isolation	
I/O isolation	1500 Vdc min.
Insulation resistance	1000 Mohm
Insulation capacitance	2200 pF

ENVIRONMENTAL SPECIFICATIONS

Operating ambient temperature range	-40 °C to +85 °C
Storage temperature	-50 °C to +125 °C
Humidity	5% to 95% (non-condensing)
Calculated MTBF	233 Khrs

MECHANICAL DRAWINGS



Pin No.	Single Output
1	+Vin
2	-Vin
3	Remote On/Off
4	+Vout
5	-Vout
6	Trim

All dimensions in mm (inches)
Tolerance: X.X±0.25 (X.XX±0.01)
X.XX±0.13 (X.XXX±0.005)
Pin diameter $\varnothing 1.0 \pm 0.05$ (0.04±0.002)

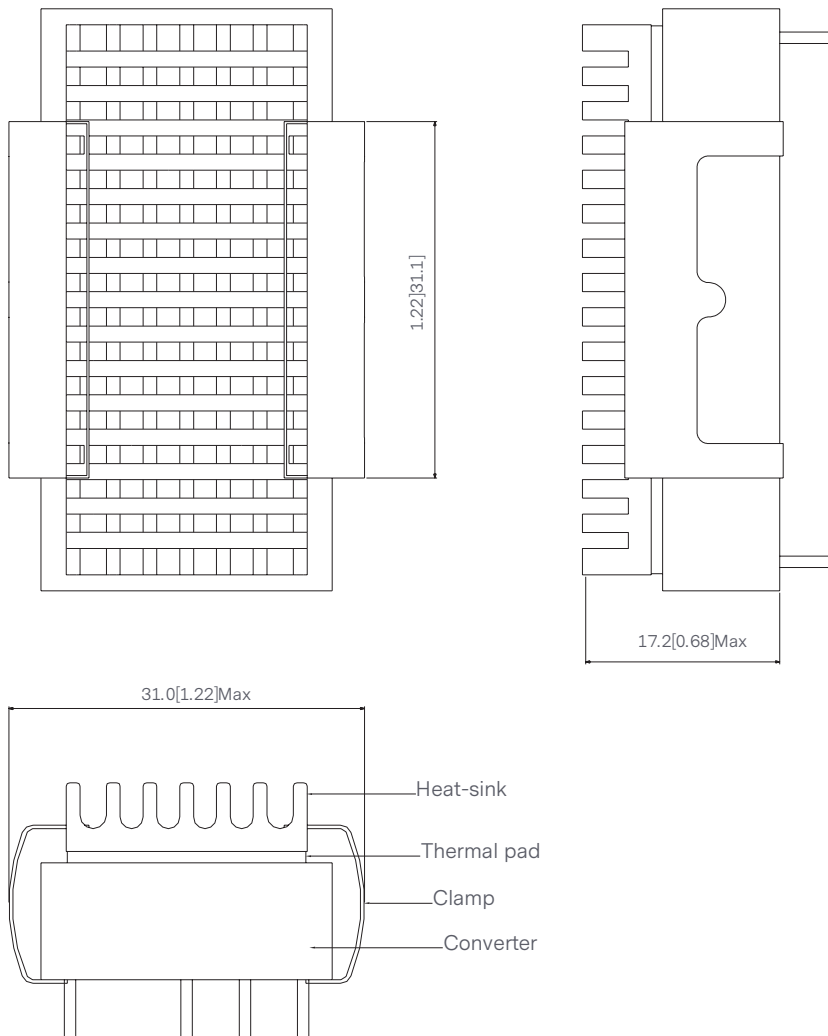
PHYSICAL CHARACTERISTICS

Case Size	50.8 x 25.4 x 11 mm (2.0 x 1.0 x 0.43 inches)
Case Material	Aluminium Alloy, Black Anodized Coating
Base Material	FR4 PCB (flammability to UL 94V-0 rated)
Pin Material	Copper Alloy with Gold Plate Over Nickel Subplate
Weight	30 g

ORDERING INFORMATION

Model Number	Input Voltage	Output 1 Voltage	Maximum Power
AEE10F18-L	9 - 36 V	3.3 V @ 10 A	33 W
AEE10A18-L	9 - 36 V	5 V @ 10 A	50 W
AEE04B18-L	9 - 36 V	12 V @ 4.17 A	50 W
AEE03C18-L	9 - 36 V	15 V @ 3.33 A	50 W
AEE02H18-L	9 - 36 V	24 V @ 2.08 A	50 W
AEE10F36-L	18 - 75 V	3.3 V @ 10 A	33 W
AEE10A36-L	18 - 75 V	5 V @ 10 A	50 W
AEE04B36-L	18 - 75 V	12 V @ 4.17 A	50 W
AEE03C36-L	18 - 75 V	15 V @ 3.33 A	50 W
AEE02H36-L	18 - 75 V	24 V @ 2.08 A	50 W

MECHANICAL DRAWINGS (CONTINUED)



The advantages of adding a heatsink are:

1. To help heat dissipation and increase the stability and reliability of DC/DC converters at high operating temperature atmosphere.
2. To upgrade the operating temperature of DC/DC converters, please refer to Derating Curve.

PHYSICAL CHARACTERISTICS

Heatsink Material	Aluminum
Finish	Black Anodized Coating
Weight	9 g

Note1 All specifications are subject to change without notice. Mechanical drawings are for reference only.

Note2 Warranty: 3 yr

Note3 Label and logo appearance may vary from what is shown on mechanical drawings.



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PRECISION | POWER | PERFORMANCE

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