10 Watts
AER03

Total Power: 10 Watts
Input Voltages: 5 V
No. of Outputs: Single

Special Features

- Point of load (POL) applications
- Positive enable function
- Low output ripple and noise
- Fixed frequency switching (150 kHz)
- Overvoltage, over current protection
- Small 1 X 1 Footprint
- Non-Isolated

Environmental

Operating temperature

-25°C to +95°C

Storage temperature: -40°C to +125°C

MTBF: = 5 million hours

Safety

UL, cUL 1950 Recognized

TUV EN60950 Licensed

Electrical Specs

Input

Input range	4.5V - 5.5Vdc
Input Surge	10V
Efficiency	88%@3.3V

Control

Enable	TTL compatible (positive enable option)

Output

Regulation (Line, Load, Temp)	<3%
Ripple and noise	30mV
Transient Response	1% max deviation with 50% to 75% full load 40 µS (max) recovery

Specifications subject to change without notice.

AMERICAS

5810 Van Allen Way
Carlsbad, CA 92008
Telephone: 760-930-4600
Facsimile: 760-930-0698

EUROPE

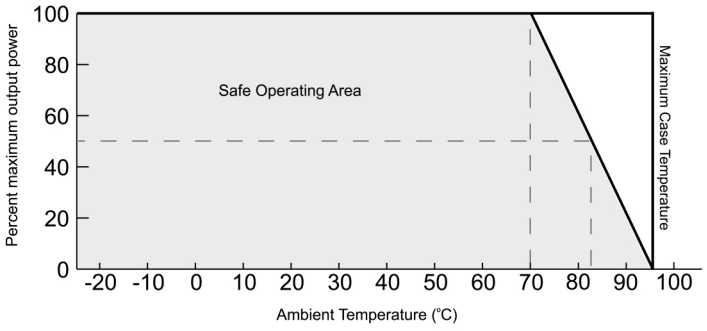
Astec House, Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX, UK
Telephone: 44 (1384) 842-211
Facsimile: 44 (1384) 843-355

ASIA

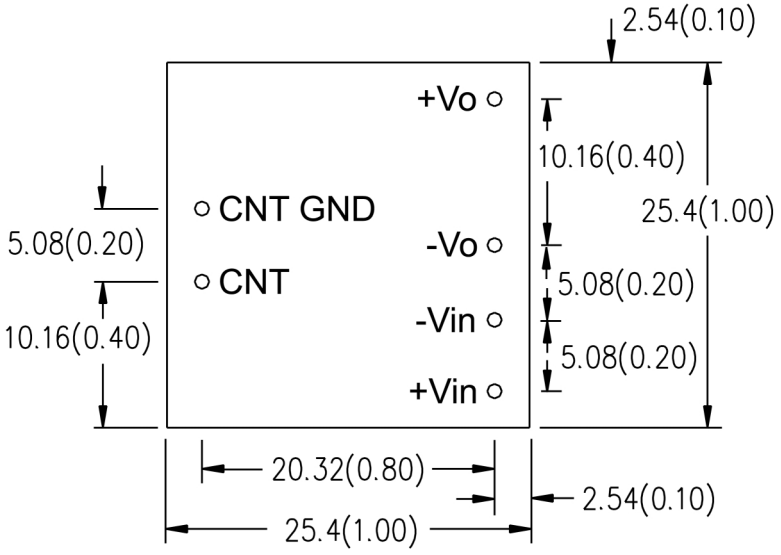
Units 2111-2116, Level 21
Tower1, Metroplaza
223, Hing Fong Road
Fwai Fong, New Territories
Hong Kong
Telephone: 852-2437-9662
Facsimile: 852-2402-4426

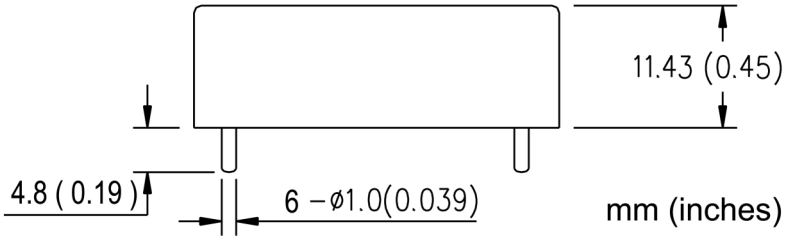
Ordering Information

Input Voltage	Output Voltage	Efficiency Full Load	Model Number
4.5V-5.5V	3.3V @ 3A	88% (Typ)	AER03F05N



AM10 Temperature Derating





Notes:

1. 20 mHz bandwidth. External 10 uF tant. capacitor + 0.1 uF cer. capacitor placed from +V out to -V out.
2. All specifications are typical at nominal line, full load, and 25°C unless otherwise noted.
3. All specifications subject to change without notice. Mechanical drawings are for reference only.
4. Technical Reference Notes should be consulted for detailed information when available.
5. Warranty: 1yr