

Astec Industry Standard

10 Watts

AER03



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

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 μ S (max) recovery

Specifications subject to change without notice.

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

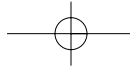
Environmental

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



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ASIA

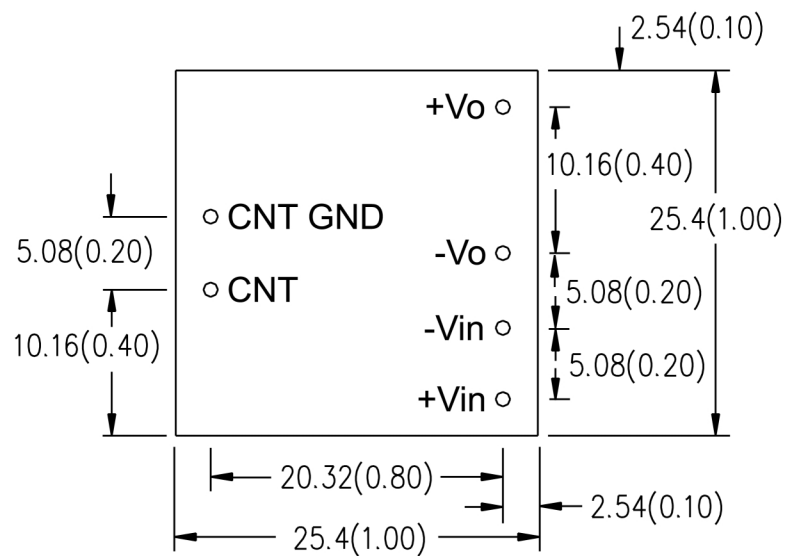
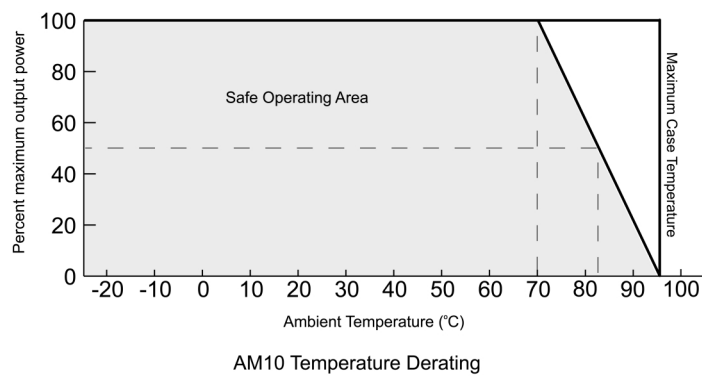
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AER03

Ordering Information

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



Notes:

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

