

## Ordering Information

| Input Voltage | Output Voltage | Output Current | Efficiency ${ }^{2}$ | Model Number |
| :---: | :---: | :---: | :---: | :---: |
| 36 V to 75 V | 12.0 V | 10A | 93.0\% | A (X)O10B48 ( N$)$ - (6)(S) |
| 36 V to 75 V | 5.0 V | 20A | 92.0\% | A (X)O20A48 (N) - (6)(S) |
| 36 V to 75 V | 3.3 V | 30A | 91.0\% | A (X)O30F48 (N) - (6)(S) |
| 36 V to 75 V | 2.5 V | 35A | 89.5\% | A (X)O35G48(N) - (6) |
| 36 V to 75 V | 1.8 V | 40A | 88.0\% | A (X)O40Y48 ( N ) - (6) |
| 36 V to 75 V | 1.5 V | 40A | 86.0\% | A (X)O40M48(N) - (6) |
| 36 V to 75 V | 1.2 V | 40A | 85.0\% | A (X)O40K48 ( N$)$ - (6) |

OPTIONS:
(X) : "L" = Open Frame / Low Profile
"E" = Baseplate Construction
( N ) : " N " = designates Negative Logic Enable (default is Positive Enable with no suffix " N " required)
(6) : " -6 " $=3.7 \mathrm{~mm}$ nominal pin length (default is 5 mm nominal pin length with no suffix "-6" required)
(S) : "-S"= Surface Mount Termination (default is Through Hole Termination with no suffix "-S" required)

## Pin Assignment

## Single Output

1. +Vin
2. Enable (On/Off)
3. -Vin
4.     - $\mathrm{V}_{\text {OUT }}$
5. -Sense
6. Trim
7. +Sense
8. $+\mathrm{V}_{\text {OUT }}$

## Notes:

1. 20 MHz bandwidth. External 10 uF tant. capacitor in parallel with 1 uF ceramic capacitor placed across the output and secondary return ground.
2. Efficiency measurements are typical values taken at full load, nominal line and $\mathrm{T}_{\mathrm{A}}=25^{\circ} \mathrm{C}$.
3. All specifications are typical at nominal line, full load and $\mathrm{T}_{\mathrm{A}}=25^{\circ} \mathrm{C}$ unless otherwise noted.
4. All specifications subject to change without notice.
5. Mechanical drawings are for reference only. Dimensions are in inches [mm]. Pin placement tolerance $\pm 0.005$ [0.127]. Mechanical Tolerance $\pm$ 0.02 [ 0.5 ], recommended surface mount pads (min: $0.080 \times 0.112$ [ $2.03 \times 2.84$ ] / max: $0092 \times 0.124$ [ $2.34 \times 3.15]$ ); through hole pin diameter (Pins 4 \& 8) $\varnothing=0.062$ [1.57], others $\varnothing=0.04$ [1.0] (6X).
6. Safety approval for 3.3 V version is available.
7. Technical Reference Notes should be consulted for detailed information when available.
8. Warranty 1 yr.

This is a Preliminary Data Sheet. Astec reserves the right to make changes to the information contained herein without notice and assumes no liability as a result of its use and application. (REV D: JANUARY 13, 2005)

## ALO - OPENFRAME



