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Ordering Information

ALD25

Input Voltage	Output Voltage	Output Current	Efficiency ²	Model Number
36V to 75V	5.0V	12A	91% Typ	ALD12A48(N) - (6)(S)(L)
36V to 75V	3.3V	18A	90% Typ	ALD18F48(N) - (6)(S)(L)
36V to 75V	2.5V	20A	89% Typ	ALD20G48(N) - (6)(S)(L)
36V to 75V	1.8V	25A	88% Typ	ALD25Y48(N) - (6)(S)(L)
36V to 75V	1.5V	25A	85% Typ	ALD25M48(N) - (6)(S)(L)
36V to 75V	1.2V	25A	83% Typ	ALD25K48(N) - (6)(S)(L)

NOTES:

Efficiency values taken at nominal input full load condition, 25°C ambient temperature.

OPTIONS

- (N) : "N" = designates Negative Logic Enable (default is Positive Enable with no suffix "N" required)
 (6) : "-6" = 3.7mm nominal pin length (default is 5mm nominal pin length with no suffix "-6" required)
 (S) : "-S" = Surface Mount Termination (default is thru hole termination with no suffix "-S" required)
 (L) : "-L" = RoHS compliant (RoHS 6) / "Blank" - RoHS compliant with Lead (PB) in solder exemption (RoHS 5)

Pin Assignments

Single Output

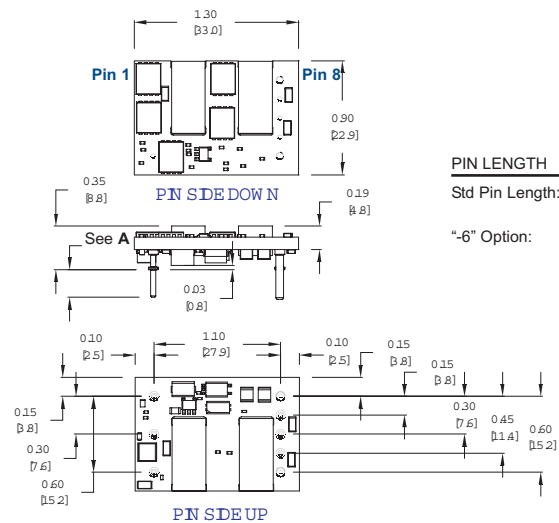
1. + Vin
2. Enable
3. - Vin
4. - Vout
5. - Sense
6. Trim
7. + Sense
8. +Vout

Notes:

1. Measured at 20MHz bandwidth with external 10 μ F tant. capacitor in parallel with 0.1 μ F ceramic capacitor placed across +Vout and -Vout; 33 μ F e-cap or equivalent placed across +Vin and -Vin.
2. Efficiency measurements taken at full load, nominal line and $T_A = 25^\circ\text{C}$.
3. All specifications are typical at nominal line, full load and $T_A = 25^\circ\text{C}$ unless otherwise noted.
4. Mechanical drawings are for reference only. Dimensions are in inches [millimeters]. Mechanical tolerance: ± 0.002 [0.5], recommended surface mount pads: $\varnothing = 0.11$ [2.79] ± 0.005 [0.13]; through hole pin diameter (Pins 4 & 8) $\varnothing = 0.062$ [1.57], others $\varnothing = 0.04$ [1.0] (6X).
5. Technical reference Notes should be consulted for detailed information when available.
6. All specifications subject to change without notice.
7. Warranty 1 yr.

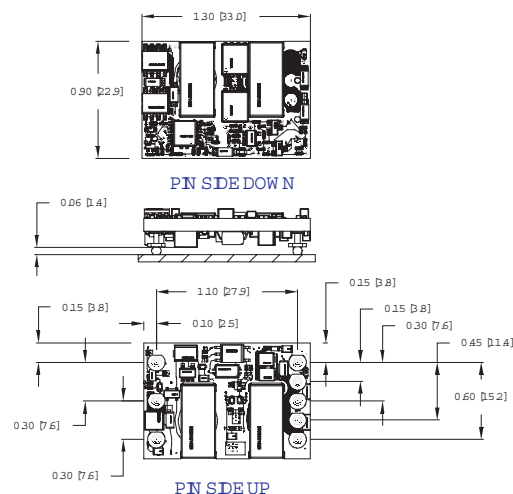
Astec reserves the right to make changes to the information contained herein without notice and assumes no liability as a result of its use or application. (REV08: MARCH 05, 2006)

TH Termination



PIN LENGTH	A
Std Pin Length:	0.189 [4.8] MIN 0.205 [5.2] MAX
"-6" Option:	0.137 [3.5] MIN 0.152 [3.9] MAX

SMT Termination



Astec Industry Standard