

AVC Series

20 Watts

Total Power: 20 Watts
Input Voltage: 3.3V, 5V
of Outputs: Single



Electrical Specifications

Input	
Input range	2.97 - 3.63VDC for 3.3V 4.5 - 5.5VDC for 5V
Efficiency	93% @ 3.3Vo, 4A
Output	
Ripple	50mV p-p for 5Vin 40mV p-p for 3.3Vin
Output voltage adjust	±10% of V _{Onom}
Isolation	Non-Isolated model
Control	
Enable	ON: On/Off pin open OFF: On/Off pin connected to GND

Environmental Specifications

Ambient Operating temperature	-40°C to +80°C (forced air 0.2m/s)
Storage temperature	-45°C to +90°C

Special Features

- Ultra Low Profile - 6.0mm
- POL application
- Efficiency - 93% @ 3.3V
- -40°C to +85°C Operating temperature(Ambient)
- Open Frame SMT
- Low output ripple and noise
- Regulation to zero load
- Pb-free reflow compatible and ROHS compliant

Safety

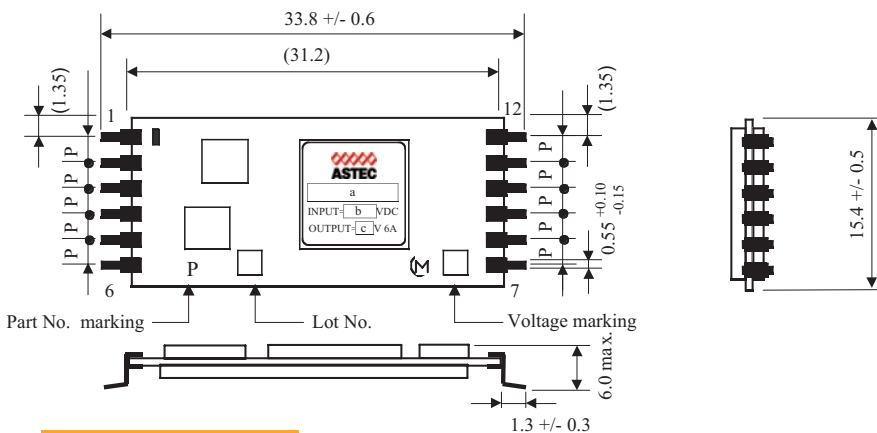
None



Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
3.3V	1.0V @ 6A	84% (Typ)	AVC06S04
3.3V	1.2V @ 6A	87% (Typ)	AVC06K04
3.3V	1.5V @ 6A	89% (Typ)	AVC06M04
3.3V	1.8V @ 6A	90% (Typ)	AVC06Y04
3.3V	2.0V @ 6A	92% (Typ)	AVC06D04
3.3V	2.5V @ 6A	93% (Typ)	AVC06G04
5.0V	1.0V @ 6A	82% (Typ)	AVC06S05
5.0V	1.2V @ 6A	84% (Typ)	AVC06K05
5.0V	1.5V @ 6A	86% (Typ)	AVC06M05
5.0V	1.8V @ 6A	88% (Typ)	AVC06Y05
5.0V	2.0V @ 6A	89% (Typ)	AVC06D05
5.0V	2.5V @ 6A	91% (Typ)	AVC06G05
5.0V	3.3V @ 6A	93% (Typ)	AVC06F05

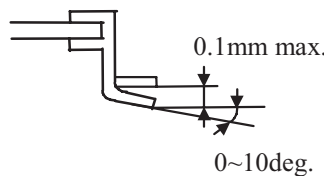
Pin Assignment



Pin Assignments

Pin No	Symbol	Pin No	Symbol
1	On/Off	7	Gnd
2	Vin	8	Gnd
3	Vin	9	Vout
4	Vin	10	Vout
5	Gnd	11	Vout
6	Gnd	12	Adjust

Note: Astec reserves the right to make changes to the information contained herein without notice and assumes no liability of its use and application.



Astec Power

5810 Van Allen Way
Carlsbad, CA 92008
USA
Telephone: +1 760 930 4600
Facsimile: +1 760 930 0698
Technical Support: +1 888 41 ASTEC
or +1 407 241 2752

Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX
United Kingdom
Telephone: +44 (0) 1384 842 211
Facsimile: +44 (0) 1384 843 355

Units 2111-2116, Level 21
Tower 1, Metroplaza
223, Hing Fong Road
Kwai Fong, New Territories
Hong Kong
Telephone: +852 2437 9662
Facsimile: +852 2402 4426

For global contact, visit:
www.astecpower.com
technicalsupport@astec.com

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