AVC Series

20 Watts

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



Special Features

- Ultra Low Profile - 6.0mm
- POL appllication
- 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

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 Vo_{nom}
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

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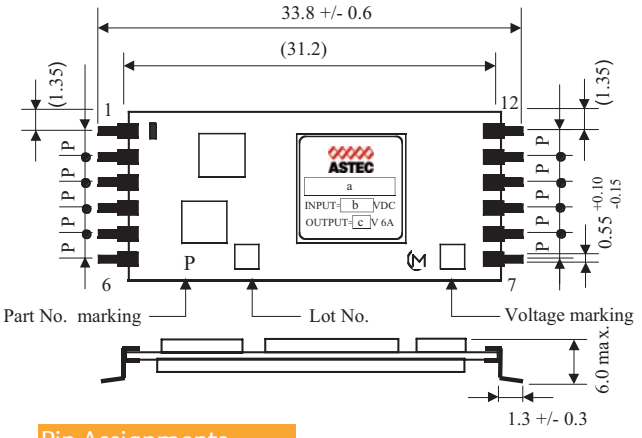
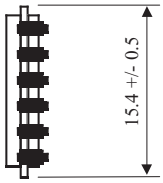
Ordering Information

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

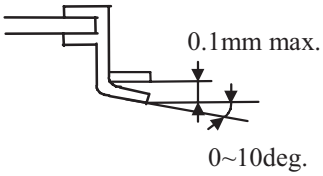




Pin Assignments

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.



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Printed in USA

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