

## 1000Vdc Isolation Single Output 3 Watt Dc-Dc Converter

### FEATURES:

- 7PIN SIP Package
- High Efficiency up to 87%
- Unregulated Output Types
- Internal SMD Construction
- No External Component Required Industry Standard Pinout
- Operating Temperature:-40°C TO +85°C



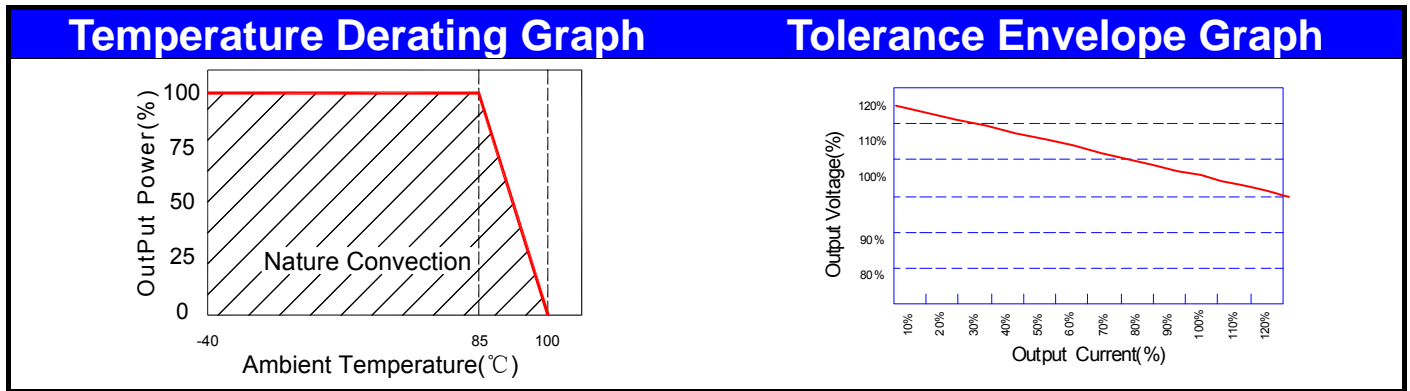
Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified			
Part Number	Output Voltage	Output Current	Efficiency
	Vdc	mA	%TYP
AS3-05S05WF	5	600	82
AS3-05S09WF	9	333	85
AS3-05S12WF	12	250	82
AS3-05S15WF	15	200	85
AS3-12S05WF	5	600	82
AS3-05S09WF	9	333	85
AS3-05S12WF	12	250	86
AS3-05S15WF	15	200	87
AS3-24S05WF	5	600	82
AS3-24S09WF	9	333	85
AS3-24S12WF	12	250	85
AS3-24S15WF	15	200	86

Input Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance	Vo, Io Nom			±10	%
Filter	Capacitor				

Output Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance	100% full load			±5	%
Short Circuit Protection	Short Term			1 Sec	
Line Regulation	For 1.0% OF Vin		1.2		%
Load Regulation	10% To 100% F.L			10	%
Ripple & Noise	BW=DC To 20MHz			100	mVp-p
Transient response setting time	50% load step change		350		us

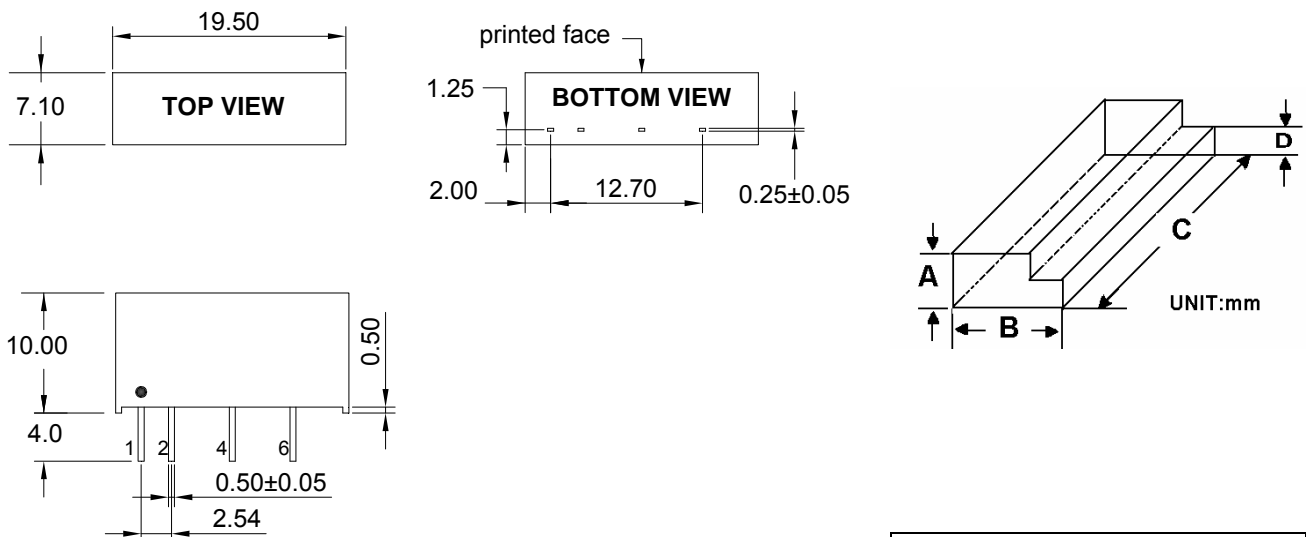
General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Isolation Resistance	500Vdc	1000			MΩ
Switching Frequency	Full load,nominal input		100		KHz
Operation Temperature		-40		+85	°C
Humidity	Non Condensing			95	%
Cooling	Free air Convection				
Case material	DAP				
MTBF	MIL-HDBK-217F@25°C	3500000			Hours
Weight			2.7		g
Dimensions			19.5x7.1x10.0		mm

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Recommended Test Circuit	Part Number
<p>5V :Cin 4.7uF,25V 5V :Cout 10uF,25V 12V:Cin 2.2uF,25V 9V :Cout 4.7uF,25V 24V:Cin 1uF,50V 12V:Cout 2.2uF,25V 15V:Cout 1uF,50V</p>	<p>AS3 - 05 S 05 W F 1 2 3 4 5 6</p> <p>1:Series 2:Input Voltage 3:Single Output 4:Output Voltage 5:Case 6:Efficiency &gt; 85%</p>

Markings and dimensions	Packaging
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UNIT:mm Unless otherwise specified,all tolerances are  $\pm 0.25$

PIN Connection				
PIN	1	2	4	6
Single	+Vin	-Vin	-Vout	+Vout

Size(mm)			
A	B	C	D
9.5	16.5	522	5.0