



CE REACH

Parameter	Conditions	Min.	Typ.	Max.	Units
Output power	See below products program	1.0		10	W
Positive voltage accuracy	Refer to recommended circuit		±1	±3	%
Negative voltage accuracy	Refer to recommended circuit		±3	±5	%
Load regulation	Form 10% to 100% load		±0.5	±1*	%
Line regulation	Input voltage from low to high		±0.2	±0.5	%
Temperature drift (Vout)	Refer to recommended circuit			±0.03	%/°C
Ripple**	20MHz Bandwidth		20	50	mVp-p
Noise**	20MHz Bandwidth		75	150	mVp-p
Switching frequency	100% load, input voltage range		300		KHz

* Dual output models unbalanced load: ±5%.
 ** Test ripple and noise by "parallel cable" method. See detailed operation instructions at Testing of Power Converter section, application notes.

DC AOB S SB AM

Requirement on output load

In order to ensure the product operate efficiently and reliably, in addition to a max load (namely full load), a minimum load is specified for this kind of DC/DC converter. Make sure the specified range of input voltage is not exceeded, the minimum output load no less than 10% load. If the actual load is less than the specified minimum load, the output ripple may increase sharply while its efficiency and reliability will reduce greatly. If the actual output power is very small, please add an appropriate resistor as extra loading, or contact our company for other lower output power products.

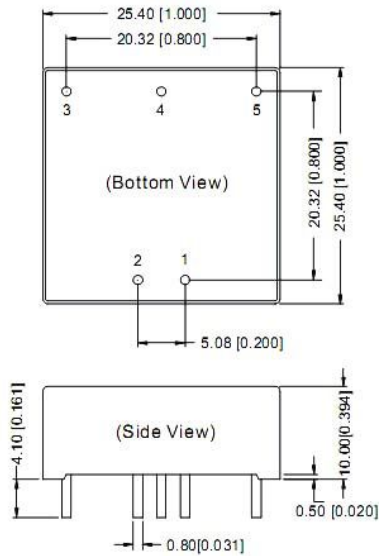
Recommended Circuit

All the WRA_

Single Vout	Cout	Dual Vout	Cout
(VDC)	(μF)	(VDC)	(μF)
		±	
		±	
		±	

B AD0SM 0 MSZ0BSZ & BBA OSA MA ODZ

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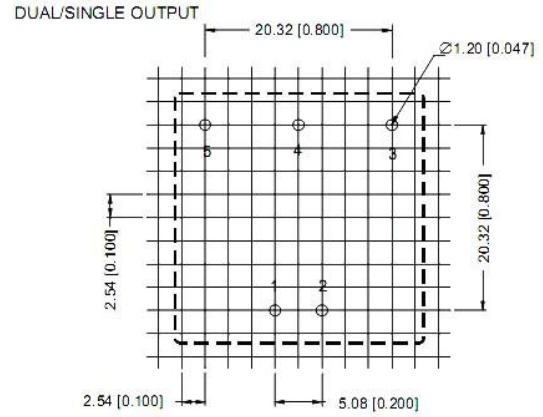
Note:

Unit:mm[inch]

Pin section tolerances:±0.10mm[±0.004inch]

General tolerances:±0.25mm[±0.010inch]

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RECOMMENDED FOOTPRINT

Top view,grid:2.54mm[0.1inch]

diameter:1.00mm[0.039inch]

BBA OSA MA ODZ

Pin	Single	Dual
1	GND	GND
2	Vin	Vin
3	+Vo	+Vo
4	NP	0V
5	0V	-Vo

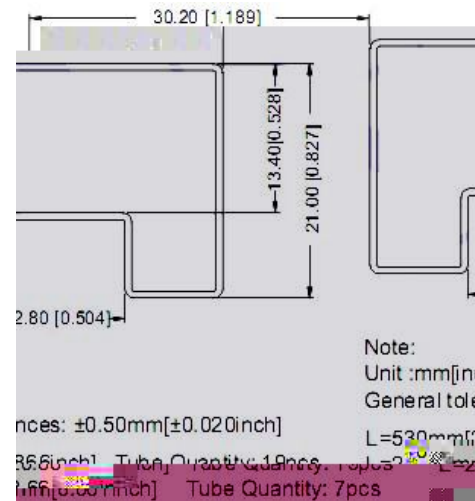
NP:No Pin

When the environment temperature is higher than 71°C, the product output power should be less than 60% of the rated power.

No parallel connection or plug and play.

Use dual output simultaneously,forbid pening output pin (0V) to use as single output.

A MB AD0SM 0 MSZ0BSZ



Note:

Unit :mm[inch]

General tolerance:

Pin section tolerances: ±0.50mm[±0.020inch]

General tolerances: ±0.50mm[±0.020inch]

Tube Quantity: 7pcs

Note:

1. The load shouldn't be less than 10%, otherwise ripple will increase dramatically.
2. Operation under 10% load will not damage the converter; However, they may not meet all specification listed.
3. All specifications measured at Ta=25°C, humidity<75%, nominal input voltage and rated output load unless otherwise specified.
4. In this datasheet, all the test methods of indications are based on corporate standards.
5. Only typical models listed, other models may be different, please contact our technical person for more details.