

The Revolution of 1W Power Module

NEW



Motien Technology is proud to present
the new 1W DC/DC Converters – **RV1 Series**
to have more flexibility of product selection for you.

Feature:

- RV1 series is an Improved Model compared to the current 1W series.
- RV1 series is pin compatible with existing V1-1W and V4 series.
- Regulated type with 2:1 wide input range.
- Continuous short circuit protection.
- Isolation voltage of 3KVdc in 7-pin SIL package.
- Efficiency is up to 80%.

Comparison between RV1-1W with existing Motien series:

1W Series	RV1	V1	V4	MB	VB
PIN Connections (For Single Output)	DC-DC CONVERTER RV1-XXXXS MOTIEN 	DC-DC CONVERTER V1-XXXXSS MOTIEN 	DC-DC CONVERTER V4-XXXXS MOTIEN 	DC-DC CONVERTER MB-XXXXX1 MOTIEN 	DC-DC CONVERTER VB-XXXXS1 MOTIEN
	DC-DC CONVERTER RV1-XXXXSH MOTIEN 	DC-DC CONVERTER V1-XXXXSSH MOTIEN 	DC-DC CONVERTER V4-XXXXSH MOTIEN 		
Package	SIP-7	SIP-7	SIP-7	SIP-6	SIP-8
Dimensions	0.76"x0.28"x0.39"	0.76"x0.24"x0.39"	0.76"x0.28"x0.39"	0.67"x0.30"x0.43"	0.86"x0.36"x0.44"
Pinout compatibility	Compatible			Incompatible	
Input Voltage Range	2:1	±10%	±10%	2:1	2:1
Regulated	YES	NO	YES	YES	YES
Ripple & Noise	50mVpk-pk	75mVpk-pk	50mVpk-pk	50mVpk-pk	80mVpk-pk
Short Circuit Protection	YES	NO	NO	YES	YES
Isolation	1500~3000VDC	1000~6000VDC	1000~3000VDC	1500VDC	1000~3000VDC
Operating Temperature	-40°C ~ 90°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C

For more details, please contact us: sales@motien.com.tw



MOTIEN TECHNOLOGY CO., LTD.

[Http://www.motien.com.tw](http://www.motien.com.tw) [Http://www.motien-power.asia](http://www.motien-power.asia)