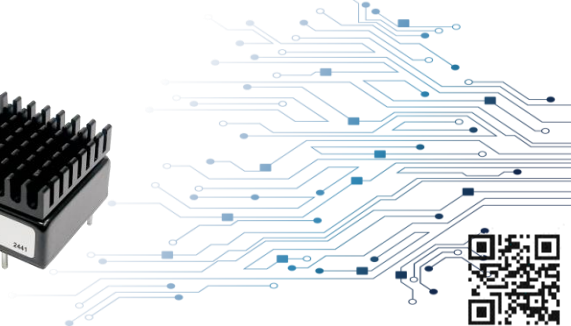


VNW-40W Series



NEW

High Power Density 40W DC-DC converter

VNW-40W Series



4:1

Ultra Wide
Input Range



-40~105°C

High Operating
Temperature



91%

High Efficiency

SCP
OCP
OVP



> Comparison with MOTIEN existing products :

	VNW-40W Series	VT-40W Series	M40A-40W Series
Package	1" x 1"	2" x 1"	2" x 2"
Dimensions	25.4 x 25.4 x 10.9 mm	50.8 x 25.4 x 10.66 mm	50.8 x 50.8 x 9.9 mm
Pinout compatibility	--	Incompatible	Incompatible
Output Power	40 W		
Efficiency	90 - 91.5 %, typ.	90 - 92.5 %, typ.	89 - 92 %, typ.
Ripple & Noise	150 mVpk-pk, max.	150 mVpk-pk, max.	150 mVpk-pk, max.
Switching frequency	310 - 360 kHz, typ.	270 KHz, typ.	270 KHz, typ.
Short Circuit Protection	Yes	Yes	Yes
Isolation Voltage (input / output)	1600 VDC	1600 VDC	1600 VDC
Maximum Case Temperature	5Vout models : 105°C Other models : 110°C	105°C	110°C
Operating Temperature	-40 to 105°C	-40 to 85°C	-40 to 95°C
Under Voltage Lockout	Yes	Yes	Yes
Remote ON/OFF	Yes	Yes	Yes
Trim	Yes	Yes	Yes
Over Current Protection	Yes	Yes	Yes
Over Voltage Protection	Yes	Yes	Yes
CE Marking	Yes	Yes	Yes
EMI Filter	with external components to meet ClassA	with external components to meet ClassA	with external components to meet ClassA



MOTIEN TECHNOLOGY CO., LTD.

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