

NB3R5HW-3.5W Series



New 3.5W DC-DC Converter with Reinforced Insulation!

模甸科技 MOTIEN TECHNOLOGY 全新推出新一代

3.5W 強化絕緣直流對直流電源轉換器– NB3R5HW Series

產品特色：

- ✓ 包裝僅有DIP 16的高功率密度產品
- ✓ 額定強化絕緣工作電壓250Vrms
- ✓ 隔離電壓高達5000 VAC
- ✓ 4:1超寬輸入電壓範圍
- ✓ 連續保護短路裝置/可遙控開關裝置
- ✓ 效率高達 84%

與模甸現有產品比較：

	NB3R5HW	VB-2W Series	VK-3W Series
PIN Connections			
Package	DIP16	DIP16	DIP24
Dimensions	24.4 x 14.7 x 10.8 mm	23.4 x 14 x 10.16 mm	31.75 x 20.32 x 10.16 mm
Pinout compatibility	--	compatible	Incompatible
Output Power	3.5 W	2 W	3 W
Input Voltage Range	4:1	2:1	4:1
Efficiency	78 %, min.	67 %, min.	75 %, min.
Ripple & Noise	100 mVpk-pk, max.	80 mVpk-pk, max.	60 mVpk-pk, typ.
Load Regulation	±1.0%, max. (0%~100% Load)	±1.0%, max. (25%~100% Load)	±0.5%, max. ±1.5%, max. (Single, Dual 3.3V) (0%~100% Load)
Short Circuit Protection	Yes	Yes	Yes
Maximum Capacitive Load	1470 µF	3300 µF	680 µF
Isolation Voltage (input / output)	5000 VAC	1000~3000 VDC	1500~3500 VDC
Isolation Capacitance	20pF, max.	60pF, max.	500pF, typ.
Leakage Current	2 µA, typ.	-	-
Clearance/Creepage	8 mm, min.	-	-
Operating Temperature	-40 ~ 85°C (full load)	-40 ~ 85°C (full load)	-40 ~ 85°C (full load)
Under Voltage Lockout	Yes	No	No
Remote ON/OFF	Yes	Yes	No
CE Mark	Yes	Yes	Yes
EMI Filter	with external components to meet ClassB	with external components to meet ClassA	with external components to meet ClassA
Safety Approval	IEC / EN / UL 62368-1 (Reinforced Insulation)	IEC / EN / UL 60950-1, 62368-1 (Functional Insulation)	IEC / EN / UL 60950-1, 62368-1 (Designed to meet)

