

NB3R5HW-3.5W Series



New 3.5W DC-DC Converter with Reinforced Insulation! 模甸科技 MOTIEN TECHNOLOGY 専門の製造メーカー 3.5W強化絶縁DC/DC コンバータを発表 – NB3R5HW Series



製品特性:

- ✓ DIP16 包装のハイパワー密度製品
- ✓ 定格絶縁動作電圧 250Vrms
- ✓ 絶縁耐圧 5000VAC
- ✓ 4:1ワイドレンジ入力
- ✓ 連続短絡保護/ リモートON/OFF
- ✓ 最大効率 84%



既存製品との比較表 :

	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)

