



NEW

New 2W Fixed Input with Reinforced Insulation!

NS2H-2W Series



5K VAC

Ultra-High
I/O Isolation
with Reinforced
Insulation



-40~95°C

High Operating
Temperature



86%

High Efficiency



SCP
OLP
OVP
UVLO



Comparison with MOTIEN existing products :

	NS2H-2W	NQ2H-2W
Package	SIP 7	
Pinout compatibility	Compatible	
Short Circuit Protection	Yes	
Input Current (No Load)	15~40mA	25-60mA
Output Voltage Range	+15/-3.5、+15/-5、+18/-3.5 Vdc +18/-5、+20/-3.5、+20/-5 Vdc	+15/-9 Vdc
Efficiency	81 ~ 86 %, typ.	83 ~ 85 %, typ.
Ripple & Noise	75 mVpk-pk, typ.	150 mVpk-pk, max.
Switching frequency	200 KHz, typ.	20 KHz, min.
Maximum Capacitive Load	+47/-470 μ F	$\pm$ 330 μ F
Isolation Voltage (input / output)	5000 VAC	5000 VAC
CMTI	100KV/ μ S(Vcm=1.5KV)	65KV/ μ S(Vcm=1.0KV)
Leakage Current	2.0uA, typ.	2.0uA, typ.
Working Voltage	300 Vrms	300 Vrms
Clearance/Creepage	6 mm, min.	6 mm, min.
Maximum Case Temperature	115°C	115°C
Operating Temperature	-40 ~95°C	-40 ~95°C
Under Voltage Lockout	Yes	-
Over Current Protection	Yes	-
Over Voltage Protection	Yes	-
CE Mark	Yes	Yes
EMI Filter	with external components to meet ClassB	with external components to meet ClassB
Safety Approval	IEC / EN /UL 62368-1 (Reinforced Insulation)	IEC / EN /UL 62368-1 (Reinforced Insulation)