

# NR-1.0+NR-2.0 Series



## The NEW RELEASE of Switching Regulator

模甸科技 MOTIEN TECHNOLOGY 専門の製造メーカー

最新 DC/DCレギュレーターを発表 - NR-1.0+2.0 Series

### 製品特性:

- ✓ 1A +2A 出力電流/ SIP 3 パッケージ
- ✓ 連続短絡保護 / 低リップル&低ノイズ
- ✓ 非絶縁・低待機電流
- ✓ 最大効率 96%
- ✓ 入力電圧は 36V まで
- ✓ 操作温度範囲: NR-2.0 -40°C~+85°C / NR-1.0 -40°C~+100°C

### NR-1.0 と NR-2.0 の規格比較:

	NR-1.0 series	NR-2.0 series
PIN Connections		
Package	SIP3	SIP3
Dimensions	11.68 x 7.70 x 10.16	14.0 x 7.50 x 10.1
Pinout compatibility	Compatible	Compatible
Input Voltage Range	4.6~36V	3~5.5V 4.6~36V
Start up time	5mS, typ.	5mS, typ.
Line Regulation	Output ≤ 2.5Vdc: ±0.5%, max. Output ≥ 3.3Vdc: ±0.3%, max. Output ≤ 2.5Vdc: ±0.8%, max.	±0.5%, max.
Load Regulation	Output ≥ 3.3Vdc: ±0.6%, max. Output ≥ 9.0Vdc: ±0.5%, max. (From 10% to 100% Load)	±1.0%, max. (From 10% to 100% Load)
	Output ≤ 2.5Vdc: ±1.5%, max. Output ≥ 3.3Vdc: ±0.8%, max. Output ≥ 9.0Vdc: ±0.5%, max. (From 0% to 100% Load)	05 Series For All Vo: ±1.0%, max. 24 Series For Vo ≤ 3.3Vdc: ±1.5%, max. For Vo ≥ 5Vdc: ±1.0%, max. (From 0% to 100% Load)
Ripple & Noise	Output ≤ 6.5Vdc: 50mVpk-pk, max. Output ≥ 9.0Vdc: 75mVpk-pk, max.	Output ≤ 6.5Vdc: 50mVpk-pk, max. Output ≥ 9.0Vdc: 75mVpk-pk, max.
Transient Recovery Time	250μs, typ. ±3%, max.	150μs, typ. ±3%, max.
Transient Response Deviation	(normal Vin and 25% ↔ 50% & 50% ↔ 75% load change)	(normal Vin and 25% ↔ 50% & 50% ↔ 75% load change)
Short Circuit Protection	YES	YES
Operating Temperature (For Full Load)	-40°C ~ +100°C (See Derating Curve)	-40°C ~ +85°C (See Derating Curve)

