
















# MOTIEN TECHNOLOGY CO., LTD.















All MOTIEN Non-Isolated Products feature with ultra Compact size and high efficiency.

All models are CE Approval and suitable for various applications – industries automation, information telecommunication products, energy controlling ... etc.



Series	Input Range (Vdc)	Output Range (Vdc)	Output Current	Efficiency	Package	Features	Certification	Picture
MR-78XX-0.5	4.5-28 7-28 14-28 17-28	3.3 5 12 15	0.5A	94%	SIP 3	<ol style="list-style-type: none"> <li>1. Non-Isolated, Step-down switching DC/DC converter</li> <li>2. Continuous Short Circuit Protection</li> <li>3. With MLCC Capacitors only</li> <li>4. Low Ripple and Noise</li> <li>5. Operation Temperature Range: -40°C~+85°C</li> </ol>	 	
MR-78XX-1.0	7-28 8-28	3.3 5	1.0A	93%	SIP 3	<ol style="list-style-type: none"> <li>1. Non-Isolated, Step-down switching DC/DC converter</li> <li>2. Continuous Short Circuit Protection</li> <li>3. With MLCC Capacitors only</li> <li>4. Low Ripple and Noise</li> <li>5. Operation Temperature Range: -40°C~+85°C</li> </ol>	 	
VR-78MXX	4.75-30 / 4.75-34 6.5-34 / 8-34 9-34 / 11-34 15-34 / 18-34	1.5 / 1.8 2.5 / 3.3 5 / 6.5 7.2 / 9 12 / 15	0.5A	97%	SIP 3	<ol style="list-style-type: none"> <li>1. Non-Isolated, Step-down switching DC/DC converter</li> <li>2. Continuous Short Circuit Protection</li> <li>3. With MLCC Capacitors only</li> <li>4. Low Ripple and Noise</li> <li>5. Operation Temperature Range: -40°C~+85°C</li> </ol>	 	
VR-78XX-1.0	4.75-18 6.5-18	1.5 / 1.8 2.5 / 3.3 5	1A	94%	SIP 3	<ol style="list-style-type: none"> <li>1. Non-Isolated, Step-down switching DC/DC converter</li> <li>2. Continuous Short Circuit Protection</li> <li>3. With MLCC Capacitors only</li> <li>4. Low Ripple and Noise</li> <li>5. Operation Temperature Range: -40°C~+60°C</li> </ol>	 	
VR-78HXX	9-72 14-72 17-72 21-72	3.3 / 5 6.5 / 7.2 9 / 12 15	0.4A - 0.5A	95%	SIP 3	<ol style="list-style-type: none"> <li>1. Non-Isolated, Step-down switching DC/DC converter</li> <li>2. Continuous Short Circuit Protection</li> <li>3. With MLCC Capacitors only</li> <li>4. Low Ripple and Noise</li> <li>5. Operation Temperature Range: -40°C~+85°C</li> </ol>	 	

NR Series are MOTIEN' s newest non-isolated products with 1A and 2A output current, which are available with Continuous Short Circuit Protection and High Input Voltage up to 36V.

Series	Input Range (Vdc)	Output Range (Vdc)	Output Current	Efficiency	Package	Features	Certification	Picture
SVRH-0.5	9 -72V 14-72V 17-72V 21-72V	3.3 / 5 6.5 / 7.2 9 / 12 15	0.5A	92%	SMD 10PIN	<ol style="list-style-type: none"> <li>1. Non-Isolated Regulator</li> <li>2. Adjustable Output Voltage</li> <li>3. Continuous Short Circuit Protection</li> <li>4. Remote ON/OFF Control</li> <li>5. Excellent Line / Load Regulation</li> <li>6. High Voltage Input Range up to 72V</li> <li>7. Operation Temperature Range -40°C~+105°C</li> </ol>	 	
SVR-1.0	3-5.5V 4.6-36V	1.2 / 1.5 1.8 / 2.5 3.3 / 5 6.5 / 9 12 / 15	1A	96%	SMD 10PIN	<ol style="list-style-type: none"> <li>1. Non-Isolated Regulator with very low standby current</li> <li>2. Adjustable Output Voltage</li> <li>3. Continuous Short Circuit Protection</li> <li>4. Low Ripple and Noise</li> <li>5. Remote ON/OFF Control</li> <li>6. Excellent Line / Load Regulation</li> <li>7. Operation Temperature Range -40°C~+105°C</li> </ol>	 	
 NR-1.0	4.6-36V	1.2 / 1.5 1.8 / 2.5 3.3 / 5 6.5 / 9 12 / 15	1A	96%	SIP 3	<ol style="list-style-type: none"> <li>1. Non-Isolated Regulator with very low standby current</li> <li>2. Continuous Short Circuit Protection</li> <li>3. Low Ripple and Noise</li> <li>4. Operation Temperature Range -40°C~+100°C</li> </ol>	 	
 NR-2.0	3-5.5V 4.6-36V	1.2 / 1.5 1.8 / 2.5 3.3 / 5 6.5 / 9 12 / 15	2A	96%	SIP 3	<ol style="list-style-type: none"> <li>1. Non-Isolated Regulator with very low standby current</li> <li>2. Continuous Short Circuit Protection</li> <li>3. Low Ripple and Noise</li> <li>4. Operation Temperature Range -40°C~+85°C</li> </ol>	 	



ISO 9001 / ISO 14001 / IECQ QC080000  
 Tel : +886-6-384 2366 ( Rep. ) Fax : +886-6-384 2399  
 E-mail : [sales@motien.com.tw](mailto:sales@motien.com.tw) Web : [www.motien.com.tw](http://www.motien.com.tw)

