



SCHMID-M

200W DC-DC converter

Typical Performance

- ⊙ Wide Input voltage range (2:1)
- ⊙ Typical Efficiency: 81%
- ⊙ Switching frequency: 200KHz
- ⊙ Short circuit protection, Self-furbish, input over voltage protection
- ⊙ Input-output isolate 1500VDC
- ⊙ Metal case, Low Output Ripple
- ⊙ Terminal connections, input counter-attack joint protection
- ⊙ Silicone filling and sealing, dustproof, moistureproof, high reliability



Technology parameter Test condition: General Nominal Line, $T_c=25^{\circ}\text{C}$, Rated resistant load unless other wise specified

Input Feature	Min	Nom	Max	Notes
Input voltage(Vdc)	9	12	18	W 2:1
	18	24	36	W 2:1
	36	48	72	W 2:1
	72	110	144	W 2:1

Output Feature

Voltage accuracy				±2.0%
Line regulation				±0.2%
Load regulation				±0.5%
Over current protection			120%~200% ,output will be turn off,self-recover	
Ripple and noise				100mV

General Feature

Efficiency				82% typical
Switching frequency				200KHz typical
Operating temperature	Free air		Industrial level	-25°C ~ +55°C

Storage temperature			-40℃ ~ +125℃
Relative humidity			10%~90%
case material			Metal case
Isolation Voltage	Input-Output		1500VDC
	Input-Case		1500VDC
	Output-Case		1500VDC
Temperature Coefficient			≤±0.05%/℃
Cooling			Natural Convection,or add heatsink
MTBF	5X10 ⁵ Hrs		

Product Nomination Method

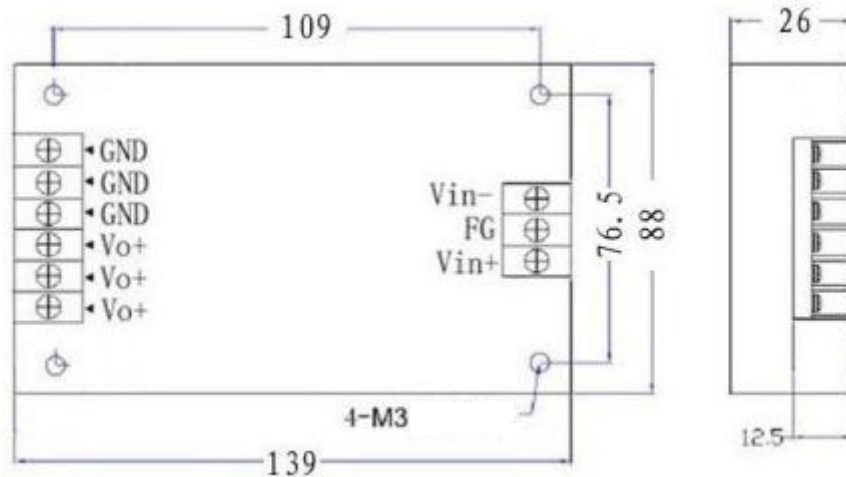
example	SL D 150 E - 48 S 05						
	①	②	③	④	⑤	⑥	⑦
①	Wide input voltage: 2: 1			⑥	S=Single route output, D=Dual route output, T=Triple route output, Q=Quadruple output		
②	Power adaptation mode: D (DC-DC)			⑦			
③	Output power(W)						
④	Vehicle power supply				output voltage		
⑤	Normal input voltage						

Product Program

PART #	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	A	V	A	V	A
SLD200E-12S12	12V(9~18V)	12V	16.67A				
SLD200E-12S15		15V	13.33A				
SLD200E-12S24		24V	8.33A				
SLD200E-12S28		28V	7.14A				
SLD200E-12S48		48V	4.17A				
SLD200E-24S12	24V(18~36V)	12V	16.67A				
SLD200E-24S15		15V	13.33A				
SLD200E-24S24		24V	8.33A				
SLD200E-24S28		28V	7.14A				
SLD200E-24S48		48V	4.17A				

SLD200E-48S12	48V(36~72V)	12V	16.67A			
SLD200E-48S15		15V	13.33A			
SLD200E-48S24		24V	8.33A			
SLD200E-48S28		28V	7.14A			
SLD200E-48S48		48V	4.17A			
SLD200E-110S12	110V(72~144V)	12V	16.67A			
SLD200E-110S15		15V	13.33A			
SLD200E-110S24		24V	8.33A			
SLD200E-110S28		28V	7.14A			
SLD200E-110S48		48V	4.17A			

Mechanical Dimension



BOTTOM VIEW

Mechanical Data

Packing	L x W x H	Packing No.
E	139*88*26mm	

*Note: The power modules such as the definition of the pin does not match with the hand book, please refer to the actual item.