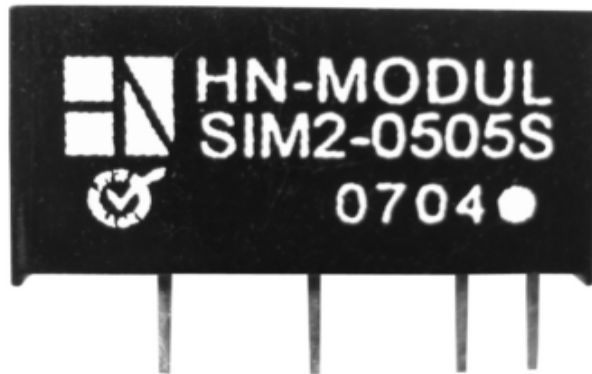


2 W  
DC/DC  
SIM-SIL  
MODUL

# SIM 2 - SIL 7

2 Watt Ultra-Miniatur SIL-Modul-Serie



HN-MODUL

Besondere Merkmale	Features
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RoHS 2002/95/EC konform	RoHS 2002/95/EC conform
Ultraminiatur-SIL7-Gehäuse	Ultra mini SIL7 package
Isolationsspannung 1000 VDC/3000 opt.	Isolation voltage max. 1000 VDC / 3000 VDC option
kurzzeitig Kurzschlußfestigkeit	short-time short circuit protection

Technische Daten	Specification
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(bei 25°C Umgebungstemperatur, nominaler Eingangsspannung und Vollast )	(at 25°C ambient temperature, nominal input voltage and full load )
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Eingangsdaten	Input Specifications
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Eingangsspannung	Input voltages	5 / 12 / 15 VDC, ±10%
EingangsfILTER	Input filter	Kondensatoren, capacitors

Ausgangsdaten	Output Specifications
---------------	-----------------------

Leistung	Power	2 Watt
Wirkungsgrad	Efficiency	80% min.
Regelabweichung	Voltage accuracy	Max. ±5%
Restwelligkeit	Ripple and noise	100 mV p-p max.
Laständerung	Load regulation	±10%(Load=20%-100%)
Eingangsspannungsänderung	Line regulation	±1.2% von $V_{in}$

Allgemeine Daten	General Specifications
------------------	------------------------

MTBF	MTBF	200.000 hours min.
Schaltfrequenz	Switching frequency	100 KHz min.
Betriebstemperatur	Operation temperature	-20°C...+75°C
Lagertemperatur	Storage temperature	-25°C...+125°C
Isolationsspannung	Isolation voltage	1 kVDC min., 3kVDC optional
Gehäusematerial	Casing	Nichtleitender Kunststoff, non conducting plastics
Max. zulässige kapazitive Last	Max. capacitive load	Single output : 680 µF Dual output : 220 µF

# SIM 2 - SIL 7

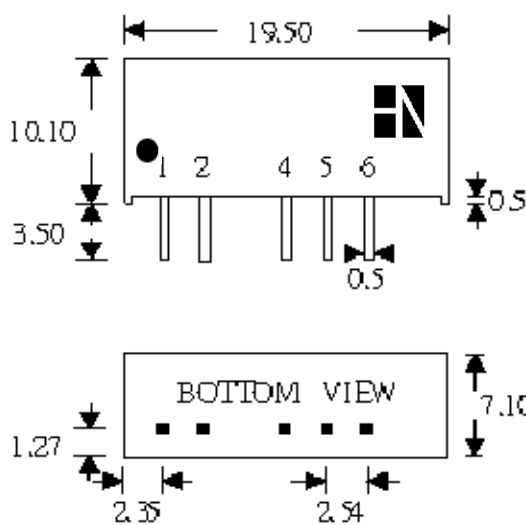
## 2 Watt Ultra-Miniatur SIL-Modul-Serie

# 2 W DC/DC SIM-SIL MODUL

### Bestell-Information / Order Information

Modell	Eingang/Input V	Ausgang 1/Output 1 V / mA	Ausgang 2/Output 2 V / mA
SIM2-0505S-SIL7	5	5/400	
SIM2-0512S-SIL7	5	12/166	
SIM2-0515S-SIL7	5	15/132	
SIM2-0905S-SIL7	9	5/400	
SIM2-0912S-SIL7	9	12/166	
SIM2-0915S-SIL7	9	15/132	
SIM2-1205S-SIL7	12	5/400	
SIM2-1212S-SIL7	12	12/166	
SIM2-1215S-SIL7	12	15/132	
SIM2-1505S-SIL7	15	5/400	
SIM2-1512S-SIL7	15	12/166	
SIM2-1515S-SIL7	15	15/132	
SIM2-0512D-SIL7	5	12/82	-12/82
SIM2-0515D-SIL7	5	15/66	-15/66
SIM2-0905D-SIL7	9	5/200	-5/200
SIM2-0912D-SIL7	9	12/82	-12/82
SIM2-0915D-SIL7	9	15/66	-15/66
SIM2-1205D-SIL7	12	5/200	-5/200
SIM2-1212D-SIL7	12	12/82	-12/82
SIM2-1215D-SIL7	12	15/66	-15/66
SIM2-1505D-SIL7	15	5/200	-5/200
SIM2-1512D-SIL7	15	12/82	-12/82
SIM2-1515D-SIL7	15	15/66	-15/66

### PIN-Belegung und Zeichnung / Pin assignments & drawing, mm (inch)



Type	Single	Dual
1	Vin+	Vin+
2	Vin-	Vin-
4	Vout-	Vout-
5	Omitted	COM.
6	Vout+	Vout+

TOLERANCE XX.XX+/-0.25

All Dimensions in mm.