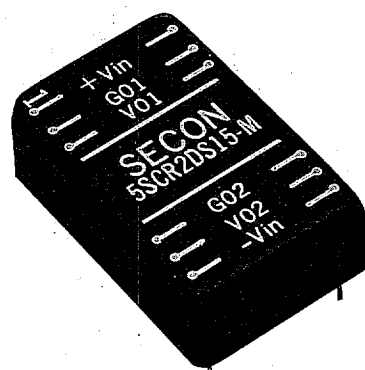


DC/DC CONVERTER MOSFET 2 WATT

SCR 2 W...M / SRR 2 W...M / SWR 2 W...M

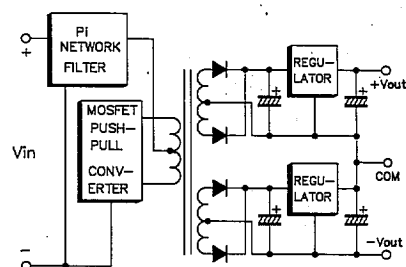
- Input voltages: 5, 12, 24, 48 VDC
Eingangsspannungen
- Output voltages: 5, 12, 15, +/- 12, +/- 15 VDC
Ausgangsspannungen
- High I/O isolation voltage
Hohe I/O Isolations spannung
SCR.../SRR... 500 VDC
SWR... 3000 VACeff
- Mosfet design
Mosfet Technik
- Single and dual outputs
Single und Dual Ausgange
- Input filter
EingangsfILTER
- Compatible to other manufacturers products
Kompatibel zu anderen Fabrikaten



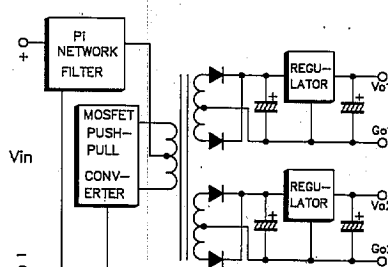
SPECIFICATION/SPEZIFIKATION

All specifications typical at nominal line, full load and 25°C unless otherwise noted

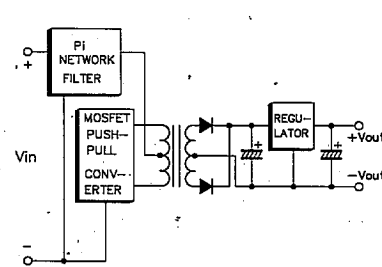
	SCR.../SRR...	SWR...
INPUT		
Input voltage range	±10%	±10%
Input filter	Pi-network	Pi-network
Fault mode current	150% of full load current	150% of full load current
Reverse polarity input current	5A max	5A max
OUTPUT		
Output voltage accuracy	±5% max of Vo	±5% max of Vo
Output voltage balance (dual output)	±3%	±3%
Line regulation	±0.2%	±0.2%
Load regulation	±0.5%	±0.5%
Ripple and noise, 20MHz bandwidth	30mVpp max	30mVpp max
Temperature coefficient	±0.01%/°C	±0.01%/°C
Overshoot (10% to 90% of load)	±0.1%	±0.1%
Warm-up drift, full load (30 min)	±0.2%	±0.2%
Short circuit protection	continuous	continuous
Short circuit restart	automatic	automatic
GENERAL		
Operating frequency	125kHz min	125kHz min
I/O isolation voltage	500VDC	3000VACeff
I/O capacitance	80PF	40PF
I/O resistance	10 ⁹ ohms	10 ⁹ ohms
Efficiency	55% min	55% min
MTBF	> 350,000 hours	> 350,000 hours
ENVIRONMENTAL		
Operating ambient temperature range	-30 to +72 °C	-30 to +72°C
Storage temperature range	-40 to +125 °C	-40 to +125°C
Humidity	up to 95% non cond.	up to 95% non cond.
Cooling	free air convect.	free air convect.
PHYSICAL		
Dimensions	31.8×20.3×10.2 mm (1.25×0.80×0.40 in.)	31.8×20.3×10.2 mm (1.25×0.80×0.40 in.)
Weight	14 grams (0.49 oz.)	14 grams (0.49 oz.)
Case material	metal black coating	metal black coating



DUAL OUTPUTS



DUAL SEPARATED OUTPUTS



SINGLE OUTPUT

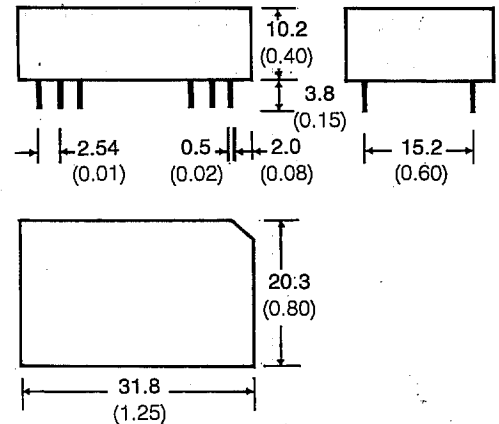
2 W DC/DC CONVERTER

SECON

PRODUCT RANGE/TYPENÜBERSICHT

Type			Input	Output	Output	Input current	
SCR	SRR	SWR	Voltage VDC	Voltage VDC	Current mA	No load mA	Full load mA
5SCR2S05-M		5SWR2S05-M	5	5	400	70	700
5SCR2S12-M		5SWR2S12-M	5	12	166	70	720
5SCR2S15-M		5SWR2S15-M	5	15	133	70	710
5SCR2D12-M	5SRR2D12-M	5SWR2D12-M	5	±12	±83	70	720
5SCR2D15-M	5SRR2D15-M	5SWR2D15-M	5	±15	±66	70	710
12SCR2S05-M		12SWR2S05-M	12	5	400	30	290
12SCR2S12-M		12SWR2S12-M	12	12	166	30	285
12SCR2S15-M		12SWR2S15-M	12	15	133	30	280
12SCR2D12-M	12SRR2D12-M	12SWR2D12-M	12	±12	±83	30	285
12SCR2D15-M	12SRR2D15-M	12SWR2D15-M	12	±15	±66	30	280
24SCR2S05-M		24SWR2S05-M	24	5	400	20	145
24SCR2S12-M		24SWR2S12-M	24	12	166	20	140
24SCR2S15-M		24SWR2S15-M	24	15	133	20	138
24SCR2D12-M	24SRR2D12-M	24SWR2D12-M	24	±12	±83	20	140
24SCR2D15-M	24SRR2D15-M	24SWR2D15-M	24	±15	±66	20	138
28SCR2S05-M		28SWR2S05-M	28	5	400	18	125
28SCR2S12-M		28SWR2S12-M	28	12	166	18	118
28SCR2S15-M		28SWR2S15-M	28	15	133	18	116
28SCR2D12-M	28SRR2D12-M	28SWR2D12-M	28	±12	±83	18	118
28SCR2D15-M	28SRR2D15-M	28SWR2D15-M	28	±15	±66	18	116
48SCR2S05-M		48SWR2S05-M	48	5	400	15	72
48SCR2S12-M		48SWR2S12-M	48	12	166	15	75
48SCR2S15-M		48SWR2S15-M	48	15	133	15	72
48SCR2D12-M	48SRR2D12-M	48SWR2D12-M	48	±12	±83	15	75
48SCR2D15-M	48SRR2D15-M	48SWR2D15-M	48	±15	±66	15	72

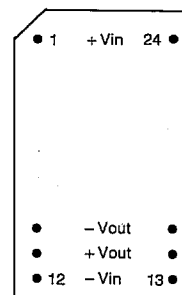
DIMENSIONS/ABMESSUNGEN



PINNING/ANSCHLÜSSE

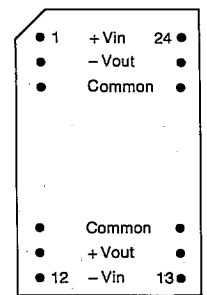
SCR ...

Single



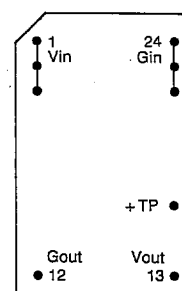
SCR ...

Dual



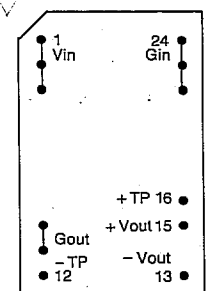
SWR...

Single

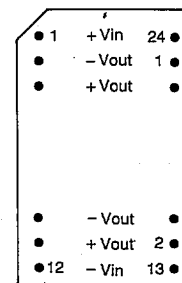


SWR ... / SRR ...

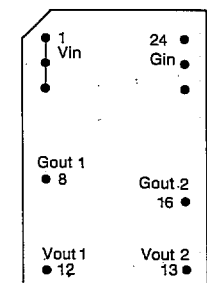
Dual



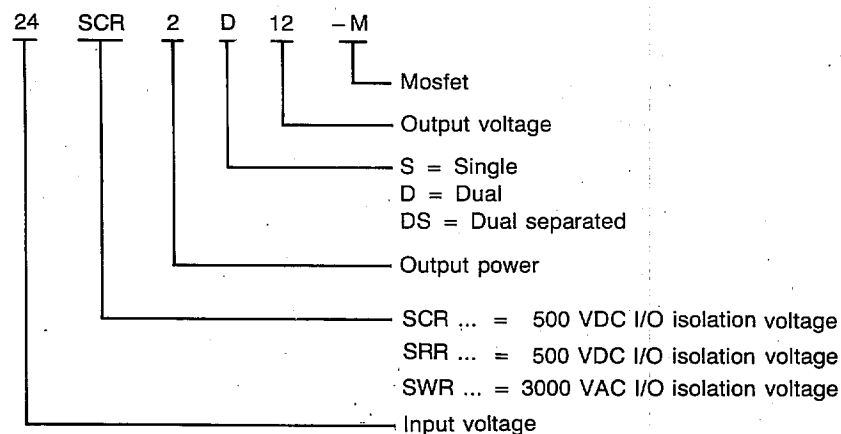
SCR ... DS



SWR ... DS



TYPE NUMBER CODE/TYPENSCHLÜSSEL



Top View/Aufsicht

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