



HS5-XXYYRS10Z30 series are specially designed for 3KVDC isolation & regulated single and output application, the input voltage range within $\pm 5\%$, regulated output with very low ripple noise. short circuit protection



FEATURES:

- SIP package
- Regulated single output
- Low ripple noise
- Internal SMD construction
- 3000VDC Isolation
- Small footprint
- Input voltage: 3.3V,5V,12V,15V,24V
- Operating temperature -40°C to +105°C
- RoHS Compliance
- No external component required
- Output voltage: 3.3V,5V,9V,12V,15V,24V
- Optional: Continuous short circuit protection

H-Model	Nominal Input Voltage (V)	Input Voltage (V) Range	Output Voltage (V)	Output Current (Max./Min) (mA)	Efficiency (%)	Package Style
HS5-0303RS10Z30	3.3	3.13~3.47	3.3	303 / 30	66	SIP7
HS5-0305RS10Z30	3.3	3.13~3.47	5	200 / 20	66	SIP7
HS5-0503RS10Z30	5	4.75~5.25	3.3	303 / 30	66	SIP7
HS5-0505RS07Z30	5	4.75~5.25	5	150 / 15	68	SIP7
HS5-0505RS10Z30	5	4.75~5.25	5	200 / 20	66	SIP7
HS5-0509RS10Z30	5	4.75~5.25	9	111 / 12	70	SIP7
HS5-0512RS10Z30	5	4.75~5.25	12	83 / 9	71	SIP7
HS5-0515RS10Z30	5	4.75~5.25	15	67 / 7	73	SIP7
HS5-0524RS10Z30	5	4.75~5.25	24	42 / 5	68	SIP7
HS5-1205RS07Z30	12	11.4~12.6	5	150 / 15	70	SIP7
HS5-1205RS10Z30	12	11.4~12.6	5	200 / 20	67	SIP7
HS5-1209RS10Z30	12	11.4~12.6	9	111 / 12	72	SIP7
HS5-1212RS10Z30	12	11.4~12.6	12	83 / 9	70	SIP7
HS5-1215RS10Z30	12	11.4~12.6	15	67 / 7	74	SIP7
HS5-1224RS10Z30	12	11.4~12.6	24	42 / 5	68	SIP7
HS5-1505RS07Z30	15	14.25~15.75	5	150 / 15	68	SIP7
HS5-1505RS10Z30	15	14.25~15.75	5	200 / 20	67	SIP7
HS5-1509RS10Z30	15	14.25~15.75	9	111 / 12	71	SIP7
HS5-1512RS10Z30	15	14.25~15.75	12	83 / 9	71	SIP7
HS5-1515RS10Z30	15	14.25~15.75	15	67 / 7	72	SIP7
HS5-1524RS10Z30	15	14.25~15.75	24	42 / 5	68	SIP7
HS5-2405RS07Z30	24	22.8~25.2	5	150 / 15	68	SIP7
HS5-2405RS10Z30	24	22.8~25.2	5	200 / 20	68	SIP7
HS5-2409RS10Z30	24	22.8~25.2	9	111 / 12	68	SIP7
HS5-2412RS10Z30	24	22.8~25.2	12	83 / 9	73	SIP7
HS5-2415RS10Z30	24	22.8~25.2	15	67 / 7	75	SIP7
HS5-2424RS10Z30	24	22.8~25.2	24	42 / 5	68	SIP7

Package Unit: 25

Add suffix "P" for continuous short circuit protection e.g. „HS5-0305RS10Z30P“.

The models listed above is just for standard type. If you need the special specification product, please contact our specialists: sales@haufe-power.de

0,75W-version

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ISOLATION CHARACTERISTICS:

Isolation test voltage (VDC):	3000 / - / - (tested for 1 minute and 1mA max.)
Isolation resistance (Viso = 1000 VDC) (GΩ):	1 / - / -

ABSOLUTE MAXIMUM RATINGS:

Short-circuit protection:	1 sec. (HS5-0505RS05) (others continuous)
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OUTPUT CHARACTERISTICS (Min. / Typ. / Max.):

Output power (W):	0.1 / - / 1
Output voltage accuracy (100% full load) (%):	- / - / ±3
Temperature drift (Vout) (%/°C):	- / - / ±0.03 (100% full load)
Ripple 20 MHz bandwidth (mv p-p):	- / 10 / 20
Noise 20MHz bandwidth (mv p-p):	- / 50 / 75
Line regulation for Vin change of ±5% (%):	- / - / ±0.25
Load regulation 10% to 100% load (%):	- / - / ±1

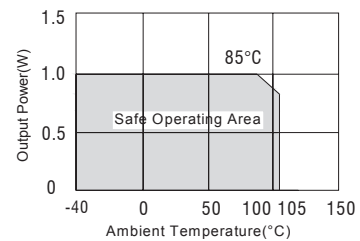
GENERAL CHARACTERISTICS (Min. / Typ. / Max.)

Switching frequency 100% load, nominal input (kHz):	- / 100 / -
MTBF (K hours):	3500 / - / -
Weight (g):	2.1
Case material:	Plastic (UL94-V0)

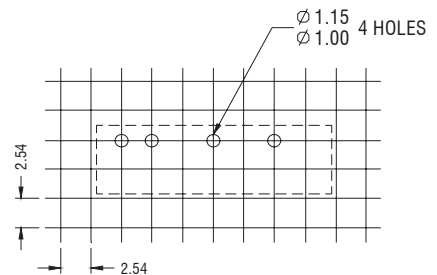
TEMPERATUR CHARACTERISTICS (Min. / Typ. / Max.)

Storage humidity, test condition (%):	- / - / 95
Operating temperature (°C):	-40 / - / +105 Derating if the temperature ≥85°C
Storage temperature (°C):	-55 / - / +125
Temp. Rise at full load (°C):	- / +15 / +25
Lead temperature (°C):	- / - / +300
Cooling:	Free air convection

TEMPERATURE DERATING GRAPHS

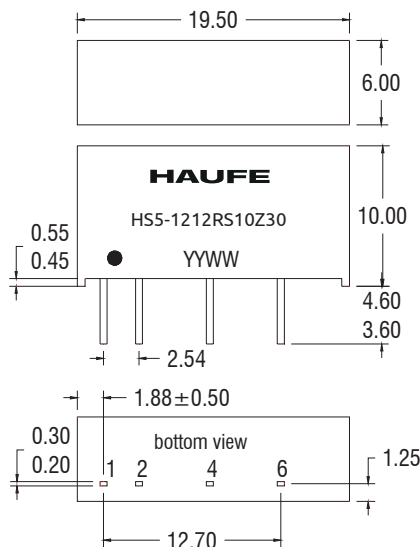


RECOMMENDED FOOTPRINT DETAILS



MECHANICAL DIMENSION

SIP Package



All dimensions in mm ±0.25 mm. All pins on a 2.54mm pitch. Weight: 2.1g

PIN CONNECTIONS

7 PIN SIP	
Pin	Function
1	+Vin
2	-Vin
4	-Vout
6	+Vout

TUBE OUTLINE DIMENSIONS

