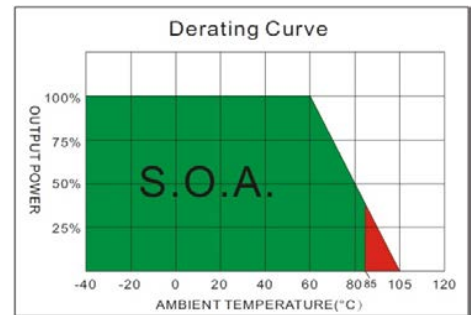
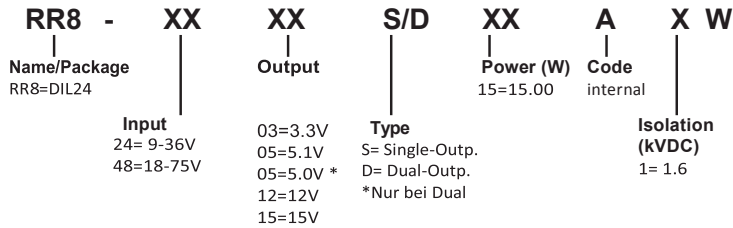




**NUMBER STRUCTURE**



**MODEL SELECTION GUIDE**

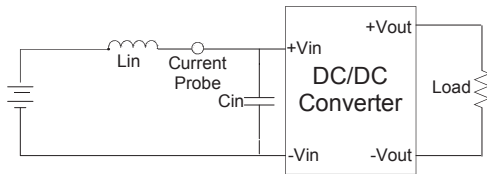
MODEL NUMBER	INPUT Voltage Range (Vdc)	INPUT Current		OUTPUT Voltage (Vdc)	OUTPUT Current		EFFICIENCY @FL (% typ.)	Capacitor Load @FL (µF, max.)
		No-Load (mA, max.)	Full Load (mA, typ.)		Min. load (mA)	Full load (mA)		
RR8-2403S15A1W	9-36	15	640	3.3	0	4000	88	4700
RR8-2405S15A1W	9-36	15	724	5.1	0	3000	90	3300
RR8-2412S15A1W	9-36	15	710	12	0	1250	90	600
RR8-2415S15A1W	9-36	15	710	15	0	1000	90	400
RR8-2405D15A1W	9-36	15	744	±5	0	±1500	86	±1500
RR8-2412D15A1W	9-36	15	718	±12	0	±625	89	±288
RR8-2415D15A1W	9-36	15	710	±15	0	±500	90	±200
RR8-4803S15A1W	18-75	15	316	3.3	0	4000	89	4700
RR8-4805S15A1W	18-75	15	366	5.1	0	3000	89	3300
RR8-4812S15A1W	18-75	15	355	12	0	1250	90	600
RR8-4815S15A1W	18-75	15	355	15	0	1000	90	400
RR8-4805D15A1W	18-75	15	372	±5	0	±1500	86	±1500
RR8-4812D15A1W	18-75	15	359	±12	0	±625	89	±288
RR8-4815D15A1W	18-75	15	355	±15	0	±500	90	±200

- One load is 25% to 100% load, the other load is 100% load, the output voltage variable rate is within ±5%.
- Measured with a 1.0uF ceramic capacitor.
- Tested by minimal Vin and constant resistive load.
- Tested by normal Vin and 25% load step change ( 75%-50%-25% of Io ).
- Measured Input reflected ripple current with a simulated source inductance of 12uH and a source capacitor Cin(47uF, ESR<1.0@ at 100KHz).
- The remote on/off control pin is referenced to -Vin(pin2).
- An external filter capacitor is required if the module has to meet IEC61000-4-4 and IEC61000-4-5.  
The filter capacitor suggest: Nippon chemi-con KY series, 2pcs 330uF/100V parallel connection or 680uF/100V.
- Exceeding the absolute ratings of the unit could cause damage.  
It is not allowed for continuous operating.
- Operation under no-load conditions will not damage these devices, however they may not meet all listed specifications.

TEST CONFIGURATIONS

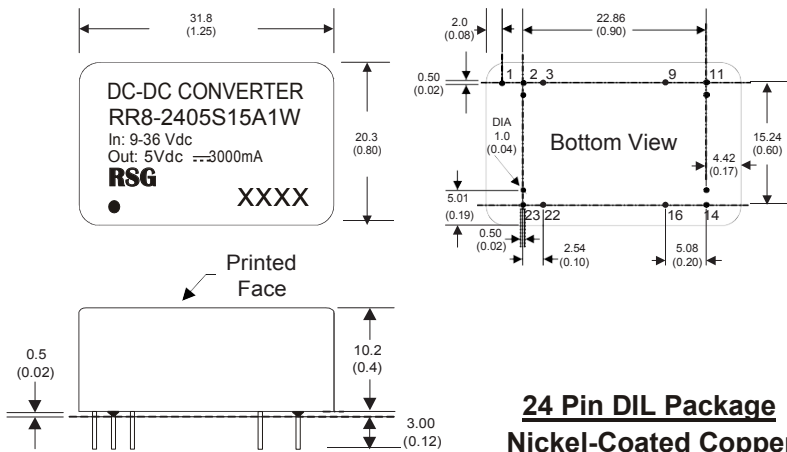
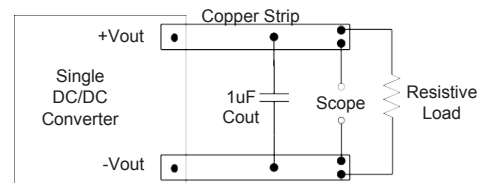
**Input Reflected Ripple Current Test Step**

Input reflected ripple current is measured through a source inductor  $L_{in}$  (12uH) and a source capacitor  $C_{in}$  (47uF, ESR<1.0@ at 100KHz) at nominal input and full load.



**Output Ripple & Noise Measurement Test**

Use a capacitor  $C_{out}$  (1.0uF) measurement. The Scope measurement bandwidth is 0-20MHz.



**24 Pin DIL Package  
Nickel-Coated Copper**

- All dimensions are typical in millimeters ( inches ).
1. Pin diameter:  $0.5 \pm 0.05$  (  $0.02 \pm 0.002$  )
  2. Pin pitch and length tolerance:  $\pm 0.35$  (  $\pm 0.014$  )
  3. Case Tolerance:  $\pm 0.5$  (  $\pm 0.02$  )
  4. Stand-off tolerance:  $\pm 0.1$  (  $\pm 0.004$  )

PIN CONNECTIONS		
PIN NUMBER	SINGLE	DUAL
1	Remote On/Off	Remote On/Off
2	-V Input	-V Input
3	-V Input	-V Input
9	N.P.	Common
11	N.C.	-V Output
14	+V Output	+V Output
16	-V Output	Common
22	+V Input	+V Input
23	+V Input	+V Input

The models listed above are standard types. If you need special specifications or have questions regarding packing (Tube or Tape&Reel) or need application support, please contact our specialists: sales@rsg-electronic.de or +49 69-984047-0