

# RS5/RD5-R20/RD20

2.0 Watt 2:1 regulated  
single & dual output



- 8 Pin SIP8 / 16 Pin DIP16 package
- Wide 2:1 input range
- 1000 VDC isolation, up to 3000 VDC
- Continuous short circuit protection
- Efficiency up to 80%
- -40°C~85°C operation temperature range
- Metal case, Remote On/Off optional

## OUTPUT SPECIFICATIONS

|   |                                 |
|---|---------------------------------|
| Voltage accuracy                        | ± 2%                            |
| Line regulation                         | ± 0.5%                          |
| Load regulation (From 25% to 100% Load) | ± 1%                            |
| Ripple & Noise (20 MHz bandwidth) (1)   | 80 mV pk-pk                     |
| Short circuit protection                | Indefinite (automatic recovery) |
| Temperature coefficient                 | ± 0.02%/°C                      |
| Capacitor load (2)                      | See table                       |

## INPUT SPECIFICATIONS

|                                    |             |
|------------------------------------|-------------|
| Voltage range                      | See table   |
| Max. input current                 | See table   |
| No-load input current              | See table   |
| Input filter                       | Capacitors  |
| Input reflected ripple current (3) | 35 mA pk-pk |

## GENERAL SPECIFICATIONS

|   |                  |
|---|------------------|
| Efficiency                                  | See table        |
| I/O isolation voltage (3 sec.)              |                  |
| Input / output                              | 1000 ~ 3000 VDC  |
| Metal case / input & output                 | 1000 VDC         |
| I/O isolation capacitance                   | 60 pF typ.       |
| I/O isolation resistance                    | 1000 M Ohm       |
| Switching frequency                         | 100~650 kHz      |
| Humidity                                    | 95% rel. H       |
| Reliability calculated MTBF (MIL-HDBK-217F) | > 2.732 Mhrs.    |
| Safety standard (designed to meet)          | IEC 60950-1:2001 |
| Remote on/off (CTRL)                        | see note 11      |

## PHYSICAL SPECIFICATIONS

|                  |  |
|------------------|--|
| Case material    | Non-conductive black plastic (UL94V-0 rated)<br>Nickel-coated copper |
| Pin material     | SIP > Alloy42 solder-coated<br>DIP > Ø 0.5 mm brass solder-coated    |
| Potting material | Epoxy (UL94V-0 rated)  |
| Weight           | SIP > 4.5 g, DIP > 6 g<br>Metal case SIP > 6.5 g, DIP > 8 g          |
| Dimensions       | SIP > 0.86" x 0.36" x 0.44"<br>DIP > 0.92" x 0.55" x 0.40"           |

## ENVIRONMENT SPECIFICATIONS

|  |                   |
|--|-------------------|
| Operating temperature (See derating curve) | -40°C~ 85°C       |
| Maximum case temperature                   | 100°C             |
| Storage temperature                        | -40°C~125°C       |
| Cooling                                    | Nature convection |

## ABSOLUTE MAXIMUM RATINGS (4)

These are stress ratings. Exposure of devices to any of these conditions may adversely affect long-term reliability.

|                        |               |
|------------------------|---------------|
| Input voltage (100 mS) |               |
| 5 modes                | -0.7 ~ 12 VDC |
| 12 modes               | -0.7 ~ 24 VDC |
| 24 modes               | -0.7 ~ 40 VDC |
| 48 modes (SIP)         | -0.7 ~ 80 VDC |

Lead soldering temperature 260°C  
(1.5 mm from case 10 sec.)

All specifications typical at  $T_a = 25^\circ\text{C}$ , nominal input voltage and full load unless otherwise specified.  
The information and specifications contained in this data sheet are believed to be correct at time of publication. However, we accept no responsibility for consequences arising from printing errors or inaccuracies. Subject to change without notice.

## NOTE

- 1) Ripple / Noise measured with 20 MHz bandwidth.
- 2) Tested by nominal  $V_{in}$  and constant resistive load.
- 3) Measured input reflected ripple current with a simulated source inductance of 12µH.
- 4) Exceeding the absolute ratings of the unit could cause damage. It is not allowed for continuous operating.
- 5) Operation under no-load conditions will not damage these devices. However they may not meet all listed specifications.
- 6) It's necessary to add minimum capacitor in output for some models. Please check single model datasheet for detail value.
- 7) It is needed to add 100 µF capacitor in output end to keep the Ripple & Noise spec.
- 8) MCU (Master Control Unit) >  
The MCU Pin voltage is referenced to  $-V_{in}$  (Pin 1)  
ON: 0~0.8 VDC max.  
(Short circuit Pin 1 and Pin 3) or open circuit  
OFF: 5.0 VDC  
OFF idle current: 5.0 mA typ.

### Connection example

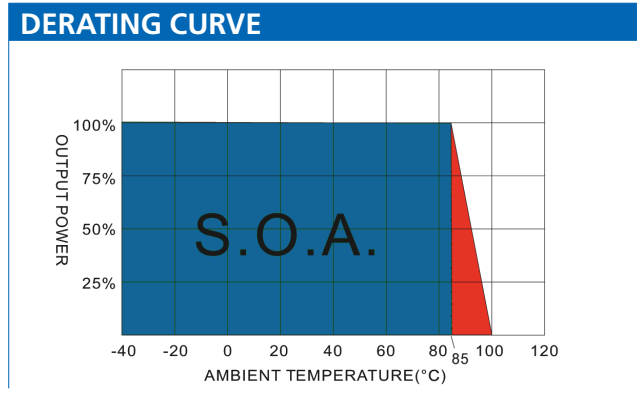


The models listed are just for standard type. If you need a special specification product, please contact our service.  
Phone: +49 69 984047-0, mail to: info@rsg-electronic.de or use the forms on www.rsg-electronic.de („Kontakt“).

# RS5/RD5-R20/RD20

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| NUMBER STRUCTURE   |  |                         |                         |  |
|--|--|-------------------------|-------------------------|--|
| <b>RS5/RD5 - XX</b>  | <b>XX</b>  | <b>R/RD 20</b>          | <b>A</b>                | <b>X***</b>                                  |
| <b>Name/Package</b><br>RS5=SIL8<br>RD5=DIL16   | <b>Output</b><br>03=3.3V<br>05=5V<br>09=9V<br>12=12V<br>15=15V<br>24=24V | <b>Power</b><br>20=2.0W | <b>Code</b><br>internal | <b>Isolation</b><br>1=1.0 kVDC<br>3=3.0 kVDC |
| <b>Input</b><br>05=4.5-9V<br>12=9-18V<br>24=18-36V<br>48=36-72V  | <b>Type</b><br>R=Single regulated<br>RD=Dual regulated                   |                         |                         |  |
| <i>Options:</i><br>Please add suffix „M“ for Metal case.<br>Please add suffix „C“ for Remote Control function.<br>Please add suffix „T“ for TRACO TMR series pin-compatible version. |  |                         |                         |  |



## MODEL SELECTION GUIDE

| Model Number  | Input Range VDC | Input current No Load / Full Load (mA) | Output VDC | Output current Min. Load / Full Load (mA) | Efficiency @FL (%) | Capacitor Load (µF) |
|---------------|-----------------|--|------------|---|--------------------|---------------------|
| RS5-0503R20AX | 4.5-9           | 15 / 492                               | 3.3        | 125 / 500                                 | 67                 | 3300                |
| RS5-0505R20AX | 4.5-9           | 15 / 571                               | 5          | 100 / 400                                 | 70                 | 3300                |
| RS5-0509R20AX | 4.5-9           | 30 / 555                               | 9          | 56 / 222                                  | 72                 | 470                 |
| RS5-0512R20AX | 4.5-9           | 30 / 555                               | 12         | 42 / 167                                  | 72                 | 470                 |
| RS5-0515R20AX | 4.5-9           | 30 / 547                               | 15         | 33 / 133                                  | 73                 | 470                 |
| RS5-0524R20AX | 4.5-9           | 60 / 533                               | 24         | 21 / 83                                   | 75                 | 220                 |
| RS5-1203R20AX | 9-18            | 15 / 205                               | 3.3        | 125 / 500                                 | 67                 | 3300                |
| RS5-1205R20AX | 9-18            | 15 / 216                               | 5          | 100 / 400                                 | 77                 | 3300                |
| RS5-1209R20AX | 9-18            | 15 / 213                               | 9          | 56 / 222                                  | 78                 | 470                 |
| RS5-1212R20AX | 9-18            | 15 / 208                               | 12         | 42 / 167                                  | 80                 | 470                 |
| RS5-1215R20AX | 9-18            | 15 / 213                               | 15         | 33 / 133                                  | 78                 | 470                 |
| RS5-1224R20AX | 9-18            | 15 / 208                               | 24         | 21 / 83                                   | 80                 | 220                 |
| RS5-2403R20AX | 18-36           | 8 / 98                                 | 3.3        | 125 / 500                                 | 70                 | 3300                |
| RS5-2405R20AX | 18-36           | 8 / 108                                | 5          | 100 / 400                                 | 77                 | 3300                |
| RS5-2409R20AX | 18-36           | 8 / 104                                | 9          | 56 / 222                                  | 80                 | 470                 |
| RS5-2412R20AX | 18-36           | 8 / 104                                | 12         | 42 / 167                                  | 80                 | 470                 |
| RS5-2415R20AX | 18-36           | 8 / 104                                | 15         | 33 / 133                                  | 80                 | 470                 |
| RS5-2424R20AX | 18-36           | 8 / 104                                | 24         | 21 / 83                                   | 80                 | 220                 |
| RS5-4803R20AX | 36-72           | 6 / 48                                 | 3.3        | 125 / 500                                 | 71                 | 3300                |
| RS5-4805R20AX | 36-72           | 6 / 56                                 | 5          | 100 / 400                                 | 74                 | 3300                |
| RS5-4809R20AX | 36-72           | 6 / 53                                 | 9          | 56 / 222                                  | 78                 | 470                 |
| RS5-4812R20AX | 36-72           | 6 / 53                                 | 12         | 42 / 167                                  | 78                 | 470                 |
| RS5-4815R20AX | 36-72           | 6 / 53                                 | 15         | 33 / 133                                  | 78                 | 470                 |
| RS5-4824R20AX | 36-72           | 6 / 52                                 | 24         | 21 / 83                                   | 80                 | 220                 |
| RD5-0503R20AX | 4.5-9           | 15 / 492                               | 3.3        | 125 / 500                                 | 67                 | 3300                |
| RD5-0505R20AX | 4.5-9           | 15 / 571                               | 5          | 100 / 400                                 | 70                 | 3300                |
| RD5-0509R20AX | 4.5-9           | 30 / 555                               | 9          | 56 / 222                                  | 72                 | 470                 |
| RD5-0512R20AX | 4.5-9           | 30 / 555                               | 12         | 42 / 167                                  | 72                 | 470                 |
| RD5-0515R20AX | 4.5-9           | 30 / 547                               | 15         | 33 / 133                                  | 73                 | 470                 |
| RD5-0524R20AX | 4.5-9           | 60 / 533                               | 24         | 21 / 83                                   | 75                 | 220                 |
| RD5-1203R20AX | 9-18            | 15 / 205                               | 3.3        | 125 / 500                                 | 67                 | 3300                |
| RD5-1205R20AX | 9-18            | 15 / 216                               | 5          | 100 / 400                                 | 77                 | 3300                |
| RD5-1209R20AX | 9-18            | 15 / 213                               | 9          | 56 / 222                                  | 78                 | 470                 |
| RD5-1212R20AX | 9-18            | 15 / 208                               | 12         | 42 / 167                                  | 80                 | 470                 |
| RD5-1215R20AX | 9-18            | 15 / 213                               | 15         | 33 / 133                                  | 78                 | 470                 |
| RD5-1224R20AX | 9-18            | 15 / 208                               | 24         | 21 / 83                                   | 80                 | 220                 |

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## MODEL SELECTION GUIDE

| Model Number   | Input Range VDC | Input current No Load / Full Load (mA) | Output VDC | Output current Min. Load / Full Load (mA) | Efficiency @FL (%) | Capacitor Load ( $\mu$ F) |
|----------------|-----------------|--|------------|---|--------------------|---------------------------|
| RD5-2403R20AX  | 18-36           | 8 / 98                                 | 3.3        | 125 / 500                                 | 70                 | 3300                      |
| RD5-2405R20AX  | 18-36           | 8 / 108                                | 5          | 100 / 400                                 | 77                 | 3300                      |
| RD5-2409R20AX  | 18-36           | 8 / 104                                | 9          | 56 / 222                                  | 80                 | 470                       |
| RD5-2412R20AX  | 18-36           | 8 / 104                                | 12         | 42 / 167                                  | 80                 | 470                       |
| RD5-2415R20AX  | 18-36           | 8 / 104                                | 15         | 33 / 133                                  | 80                 | 470                       |
| RD5-2424R20AX  | 18-36           | 8 / 104                                | 24         | 21 / 83                                   | 80                 | 220                       |
| RD5-4803R20AX  | 36-72           | 6 / 48                                 | 3.3        | 125 / 500                                 | 71                 | 3300                      |
| RD5-4805R20AX  | 36-72           | 6 / 56                                 | 5          | 100 / 400                                 | 74                 | 3300                      |
| RD5-4809R20AX  | 36-72           | 6 / 53                                 | 9          | 56 / 222                                  | 78                 | 470                       |
| RD5-4812R20AX  | 36-72           | 6 / 53                                 | 12         | 42 / 167                                  | 78                 | 470                       |
| RD5-4815R20AX  | 36-72           | 6 / 53                                 | 15         | 33 / 133                                  | 78                 | 470                       |
| RD5-4824R20AX  | 36-72           | 6 / 52                                 | 24         | 21 / 83                                   | 80                 | 220                       |
| RS5-0503RD20AX | 4.5-9           | 20 / 471                               | $\pm$ 3.3  | $\pm$ 63 / $\pm$ 250                      | 70                 | $\pm$ 1000                |
| RS5-0505RD20AX | 4.5-9           | 20 / 571                               | $\pm$ 5    | $\pm$ 50 / $\pm$ 200                      | 70                 | $\pm$ 1000                |
| RS5-0509RD20AX | 4.5-9           | 20 / 540                               | $\pm$ 9    | $\pm$ 28 / $\pm$ 111                      | 74                 | $\pm$ 220                 |
| RS5-0512RD20AX | 4.5-9           | 25 / 533                               | $\pm$ 12   | $\pm$ 21 / $\pm$ 83                       | 75                 | $\pm$ 220                 |
| RS5-0515RD20AX | 4.5-9           | 25 / 533                               | $\pm$ 15   | $\pm$ 17 / $\pm$ 67                       | 75                 | $\pm$ 220                 |
| RS5-0524RD20AX | 4.5-9           | 60 / 563                               | $\pm$ 24   | $\pm$ 10 / $\pm$ 42                       | 71                 | $\pm$ 100                 |
| RS5-1203RD20AX | 9-18            | 15 / 188                               | $\pm$ 3.3  | $\pm$ 63 / $\pm$ 250                      | 73                 | $\pm$ 1000                |
| RS5-1205RD20AX | 9-18            | 15 / 222                               | $\pm$ 5    | $\pm$ 50 / $\pm$ 200                      | 75                 | $\pm$ 1000                |
| RS5-1209RD20AX | 9-18            | 15 / 210                               | $\pm$ 9    | $\pm$ 28 / $\pm$ 111                      | 79                 | $\pm$ 220                 |
| RS5-1212RD20AX | 9-18            | 15 / 208                               | $\pm$ 12   | $\pm$ 21 / $\pm$ 83                       | 80                 | $\pm$ 220                 |
| RS5-1215RD20AX | 9-18            | 15 / 210                               | $\pm$ 15   | $\pm$ 17 / $\pm$ 67                       | 79                 | $\pm$ 220                 |
| RS5-1224RD20AX | 9-18            | 30 / 219                               | $\pm$ 24   | $\pm$ 10 / $\pm$ 42                       | 76                 | $\pm$ 1000                |
| RS5-2403RD20AX | 18-36           | 8 / 94                                 | $\pm$ 3.3  | $\pm$ 63 / $\pm$ 250                      | 73                 | $\pm$ 1000                |
| RS5-2405RD20AX | 18-36           | 8 / 106                                | $\pm$ 5    | $\pm$ 50 / $\pm$ 200                      | 78                 | $\pm$ 1000                |
| RS5-2409RD20AX | 18-36           | 8 / 105                                | $\pm$ 9    | $\pm$ 28 / $\pm$ 111                      | 79                 | $\pm$ 220                 |
| RS5-2412RD20AX | 18-36           | 8 / 104                                | $\pm$ 12   | $\pm$ 21 / $\pm$ 83                       | 80                 | $\pm$ 220                 |
| RS5-2415RD20AX | 18-36           | 8 / 104                                | $\pm$ 15   | $\pm$ 17 / $\pm$ 67                       | 80                 | $\pm$ 220                 |
| RS5-2424RD20AX | 18-36           | 20 / 106                               | $\pm$ 24   | $\pm$ 10 / $\pm$ 42                       | 78                 | $\pm$ 100                 |
| RS5-4803RD20AX | 36-72           | 6 / 47                                 | $\pm$ 3.3  | $\pm$ 63 / $\pm$ 250                      | 73                 | $\pm$ 1000                |
| RS5-4805RD20AX | 36-72           | 6 / 56                                 | $\pm$ 5    | $\pm$ 50 / $\pm$ 200                      | 74                 | $\pm$ 1000                |
| RS5-4809RD20AX | 36-72           | 6 / 53                                 | $\pm$ 9    | $\pm$ 28 / $\pm$ 111                      | 79                 | $\pm$ 220                 |
| RS5-4812RD20AX | 36-72           | 6 / 53                                 | $\pm$ 12   | $\pm$ 21 / $\pm$ 83                       | 79                 | $\pm$ 220                 |
| RS5-4815RD20AX | 36-72           | 6 / 52                                 | $\pm$ 15   | $\pm$ 17 / $\pm$ 67                       | 80                 | $\pm$ 220                 |
| RS5-4824RD20AX | 36-72           | 12 / 55                                | $\pm$ 24   | $\pm$ 10 / $\pm$ 42                       | 75                 | $\pm$ 100                 |
| RD5-0503RD20AX | 4.5-9           | 20 / 471                               | $\pm$ 3.3  | $\pm$ 63 / $\pm$ 250                      | 70                 | $\pm$ 1000                |
| RD5-0505RD20AX | 4.5-9           | 20 / 571                               | $\pm$ 5    | $\pm$ 50 / $\pm$ 200                      | 70                 | $\pm$ 1000                |
| RD5-0509RD20AX | 4.5-9           | 20 / 540                               | $\pm$ 9    | $\pm$ 28 / $\pm$ 111                      | 74                 | $\pm$ 220                 |
| RD5-0512RD20AX | 4.5-9           | 25 / 533                               | $\pm$ 12   | $\pm$ 21 / $\pm$ 83                       | 75                 | $\pm$ 220                 |
| RD5-0515RD20AX | 4.5-9           | 25 / 533                               | $\pm$ 15   | $\pm$ 17 / $\pm$ 67                       | 75                 | $\pm$ 220                 |
| RD5-0524RD20AX | 4.5-9           | 60 / 563                               | $\pm$ 24   | $\pm$ 10 / $\pm$ 42                       | 71                 | $\pm$ 100                 |
| RD5-1203RD20AX | 9-18            | 15 / 188                               | $\pm$ 3.3  | $\pm$ 63 / $\pm$ 250                      | 73                 | $\pm$ 1000                |
| RD5-1205RD20AX | 9-18            | 15 / 222                               | $\pm$ 5    | $\pm$ 50 / $\pm$ 200                      | 75                 | $\pm$ 1000                |
| RD5-1209RD20AX | 9-18            | 15 / 210                               | $\pm$ 9    | $\pm$ 28 / $\pm$ 111                      | 79                 | $\pm$ 220                 |
| RD5-1212RD20AX | 9-18            | 15 / 208                               | $\pm$ 12   | $\pm$ 21 / $\pm$ 83                       | 80                 | $\pm$ 220                 |
| RD5-1215RD20AX | 9-18            | 15 / 210                               | $\pm$ 15   | $\pm$ 17 / $\pm$ 67                       | 79                 | $\pm$ 220                 |
| RD5-1224RD20AX | 9-18            | 30 / 219                               | $\pm$ 24   | $\pm$ 10 / $\pm$ 42                       | 76                 | $\pm$ 100                 |



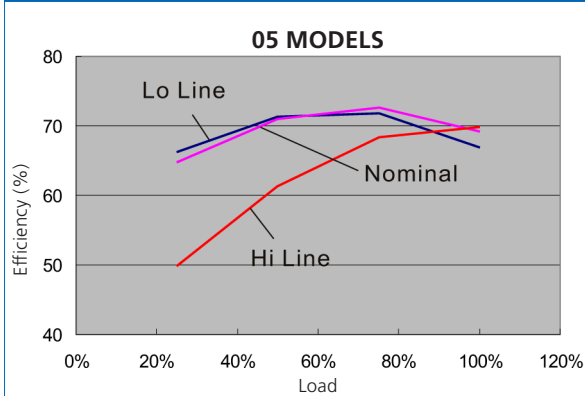
# RS5/RD5-R20/RD20

2.0 Watt 2:1 regulated  
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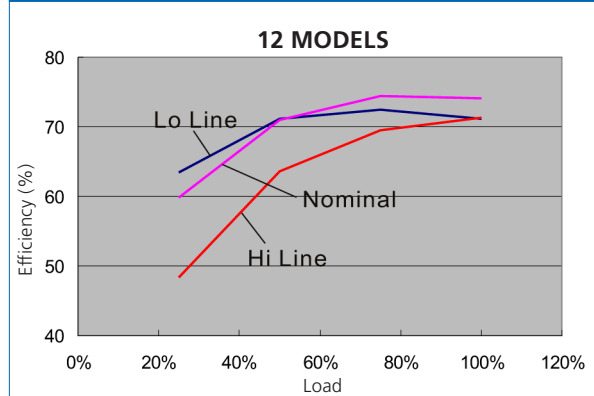
## MODEL SELECTION GUIDE

| Model Number   | Input Range VDC | Input current No Load / Full Load (mA) | Output VDC | Output current Min. Load / Full Load (mA) | Efficiency @FL (%) | Capacitor Load (μF) |
|----------------|-----------------|--|------------|---|--------------------|---------------------|
| RD5-2403RD20AX | 18-36           | 8 / 94                                 | ±3.3       | ±63 / ±250                                | 73                 | ±1000               |
| RD5-2405RD20AX | 18-36           | 8 / 106                                | ±5         | ±50 / ±200                                | 78                 | ±1000               |
| RD5-2409RD20AX | 18-36           | 8 / 105                                | ±9         | ±28 / ±111                                | 79                 | ±220                |
| RD5-2412RD20AX | 18-36           | 8 / 104                                | ±12        | ±21 / ±83                                 | 80                 | ±220                |
| RD5-2415RD20AX | 18-36           | 8 / 104                                | ±15        | ±17 / ±67                                 | 80                 | ±220                |
| RD5-2424RD20AX | 18-36           | 20 / 106                               | ±24        | ±10 / ±42                                 | 78                 | ±100                |
| RD5-4803RD20AX | 36-72           | 6 / 47                                 | ±3.3       | ±63 / ±250                                | 73                 | ±1000               |
| RD5-4805RD20AX | 36-72           | 6 / 56                                 | ±5         | ±50 / ±200                                | 74                 | ±1000               |
| RD5-4809RD20AX | 36-72           | 6 / 53                                 | ±9         | ±28 / ±111                                | 79                 | ±220                |
| RD5-4812RD20AX | 36-72           | 6 / 53                                 | ±12        | ±21 / ±83                                 | 79                 | ±220                |
| RD5-4815RD20AX | 36-72           | 6 / 52                                 | ±15        | ±17 / ±67                                 | 80                 | ±220                |
| RD5-4824RD20AX | 36-72           | 12 / 55                                | ±24        | ±10 / ±42                                 | 75                 | ±100                |

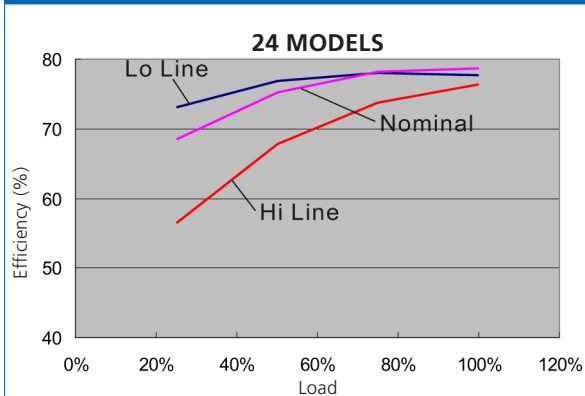
### EFFICIENCY VS OUTPUT CURRENT 05



### EFFICIENCY VS OUTPUT CURRENT 12



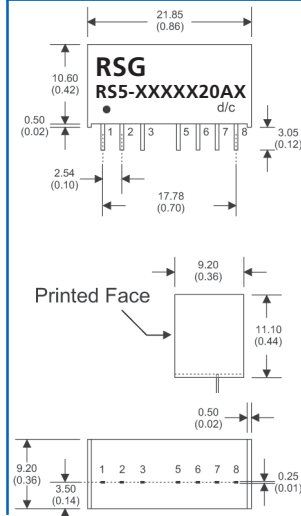
### EFFICIENCY VS OUTPUT CURRENT 24



# RS5/RD5-R20/RD20

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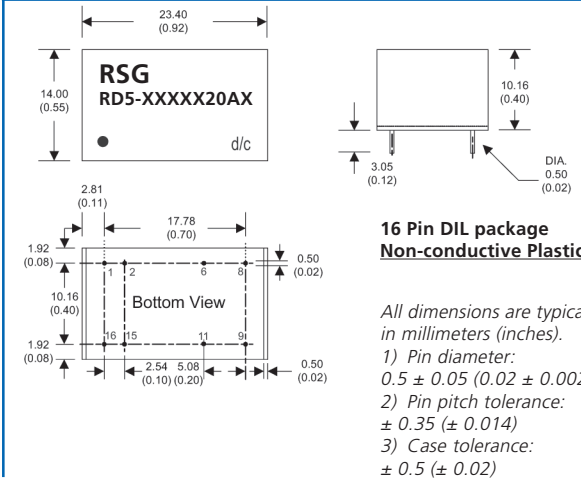
## MECHANICAL SPECIFICATIONS 8 Pin SIL



**8 Pin SIL package  
Non-conductive Plastic**

All dimensions are typical in millimeters (inches).  
 1) Pin diameter:  $0.5 \pm 0.05$  ( $0.02 \pm 0.002$ )  
 2) Pin pitch tolerance:  $\pm 0.35$  ( $\pm 0.014$ )  
 3) Case tolerance:  $\pm 0.5$  ( $\pm 0.02$ )

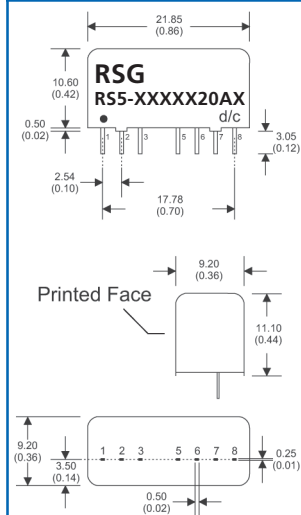
## MECHANICAL SPECIFICATIONS 16 Pin DIL



**16 Pin DIL package  
Non-conductive Plastic**

All dimensions are typical in millimeters (inches).  
 1) Pin diameter:  $0.5 \pm 0.05$  ( $0.02 \pm 0.002$ )  
 2) Pin pitch tolerance:  $\pm 0.35$  ( $\pm 0.014$ )  
 3) Case tolerance:  $\pm 0.5$  ( $\pm 0.02$ )

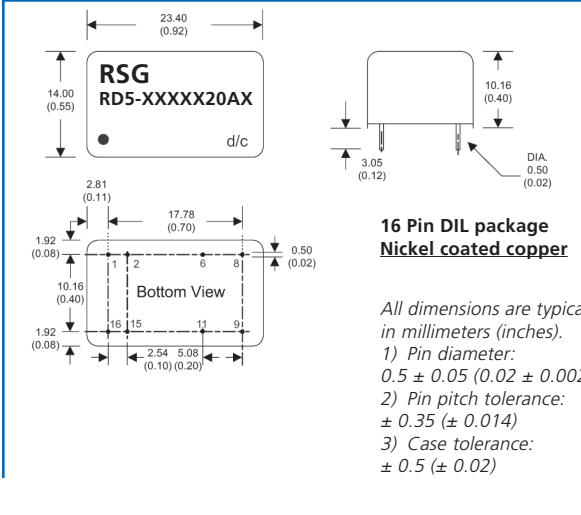
## MECHANICAL SPECIFICATIONS 8 Pin SIL



**8 Pin SIL 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 tolerance:  $\pm 0.35$  ( $\pm 0.014$ )  
 3) Case tolerance:  $\pm 0.5$  ( $\pm 0.02$ )

## MECHANICAL SPECIFICATIONS 16 Pin DIL



**16 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 tolerance:  $\pm 0.35$  ( $\pm 0.014$ )  
 3) Case tolerance:  $\pm 0.5$  ( $\pm 0.02$ )

## PIN CONNECTIONS > RS5 Models, 8 Pin SIL

| PIN# | SINGLE    | DUAL      | DUAL(T)   | PIN# | SINGLE(C)     | DUAL(C)       | DUAL(CT)      |
|------|-----------|-----------|-----------|------|---------------|---------------|---------------|
| 1    | -V Input  | -V Input  | -V Input  | 1    | -V Input      | -V Input      | -V Input      |
| 2    | +V Input  | +V Input  | +V Input  | 2    | +V Input      | +V Input      | +V Input      |
| 3    | N.P.      | N.C.      | N.C.      | 3    | Remote On/Off | Remote On/Off | Remote On/Off |
| 5    | N.P.      | N.C.      | N.C.      | 5    | N.C.          | N.C.          | N.C.          |
| 6    | +V Output | +V Output | +V Output | 6    | +V Output     | +V Output     | +V Output     |
| 7    | -V Output | -V Output | Common    | 7    | -V Output     | -V Output     | Common        |
| 8    | N.C.      | Common    | -V Output | 8    | N.C.          | Common        | -V Output     |

## > RD5 Models, 16 Pin DIL

| PIN# | SINGLE    | DUAL      |
|------|-----------|-----------|
| 1    | -V Input  | -V Input  |
| 2    | -V Input  | -V Input  |
| 6    | N.C.      | Common    |
| 8    | N.C.      | -V Output |
| 9    | +V Output | +V Output |
| 11   | -V Output | Common    |
| 15   | +V Input  | +V Input  |
| 16   | +V Input  | +V Input  |

The Pin connections for High Isolation Models are the same as for normal ones.  
 The Pin connections for Metal Case are the same as for Plastic package (standard).  
 Please add suffix „M“ for Metal case.  
 Please add suffix „C“ for Remote Control function ON/OFF.  
 Please add suffix „T“ for TRACO TMR series pin-compatible version.

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