

## 0.5A to 6A, 250VAC EMI Filters

### Features

- ◆ High Voltage Pulse Attenuation
- ◆ Lug or Wire Terminations
- ◆ Low Earth Leakage Current Option
- ◆ Conforms to UL, CSA and
- ◆ EN Safety Agency Certifications

### Key Market Segments & Applications



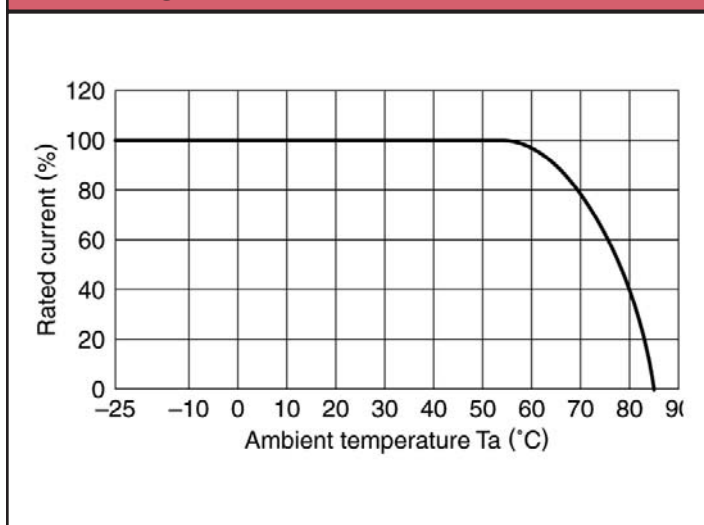
### Specifications

| Model                        |    | RSAL-20R5W<br>RSAL-20R5A<br>RSAL-20R5WL<br>RSAL-20R5AL | RSAL-2001W<br>RSAL-2001A<br>RSAL-2001WL<br>RSAL-2001AL | RSAL-2002W<br>RSAL-2002A<br>RSAL-2002WL<br>RSAL-2002AL | RSAL-2003W<br>RSAL-2003A<br>RSAL-2003WL<br>RSAL-2003AL | RSAL-2006W<br>RSAL-2006A<br>RSAL-2006WL<br>RSAL-2006AL |
|------------------------------|----|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Rated Voltage (AC, DC)       | V  | 250V                                                   |                                                        |                                                        |                                                        |                                                        |
| Rated Current                | A  | 0.5A                                                   | 1A                                                     | 2A                                                     | 3A                                                     | 6A                                                     |
| Withstand Voltage            | V  | Terminals to Case: 2500VAC (1 Minute)                  |                                                        |                                                        |                                                        |                                                        |
| Isolation Resistance         | MΩ | 100MΩ minimum (500VDC, 1 Minute)                       |                                                        |                                                        |                                                        |                                                        |
| Leakage Current (max)        | A  | RSAL-20xxx 1mA; RSAL20xxxL 10uA (250VAC, 60Hz)         |                                                        |                                                        |                                                        |                                                        |
| DC Resistance (total)        | mΩ | 700                                                    | 600                                                    | 250                                                    | 150                                                    | 80                                                     |
| Operating Temperature        | °C | -25 to +85°C (Derate above 55°C, see derating curve)   |                                                        |                                                        |                                                        |                                                        |
| Storage Temperature          | °C | -25 to +85°C                                           |                                                        |                                                        |                                                        |                                                        |
| Safety Agency Certifications | -  | UL1283, CSA C22.2 No.8, EN60939                        |                                                        |                                                        |                                                        |                                                        |
| Weight                       | g  | 61g Maximum                                            |                                                        |                                                        |                                                        |                                                        |
| Warranty                     | yr | 1 Year                                                 |                                                        |                                                        |                                                        |                                                        |

### Options

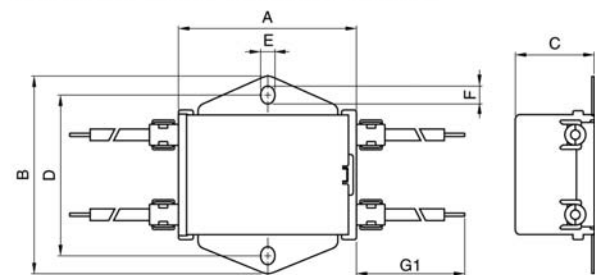
|                                         |             |
|-----------------------------------------|-------------|
| Wire Terminations                       | RSAL-20xxW  |
| Lug Terminations                        | RSAL-20xxA  |
| Wire Terminations & Low Leakage Current | RSAL-20xxWL |
| Lug Terminations & Low Leakage Current  | RSAL-20xxAL |

### Derating

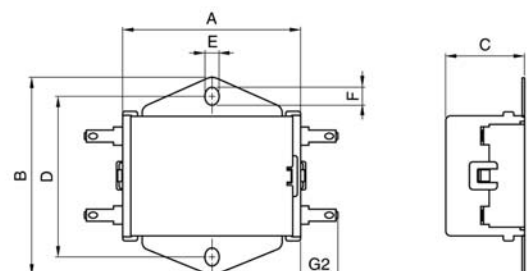


### Outline Drawing

RSAL-20R5/2001/2002/2003/2006W(L)

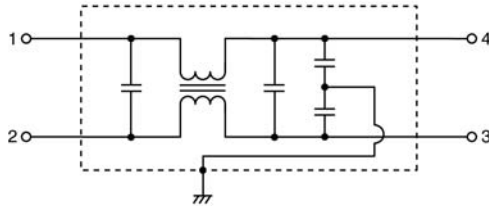


RSAL-20R5/2001/2002/2003/2006A(L)

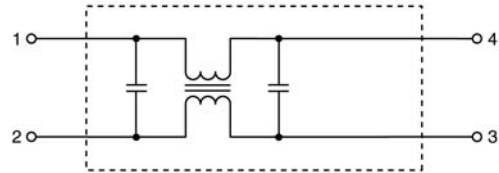


## Circuit

RSAL-2 \*\*\* W  
RSAL-2 \*\*\* A

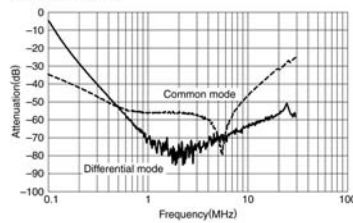


RSAL-2 \*\*\* WL  
RSAL-2 \*\*\* AL

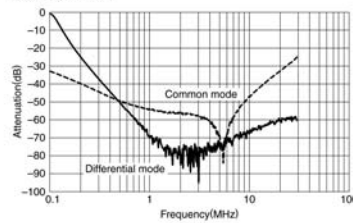


## Attenuation Characteristics

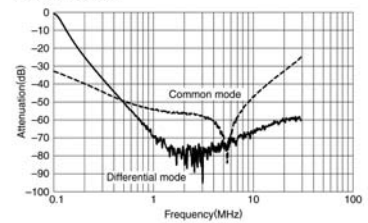
RSAL-20R5W/A



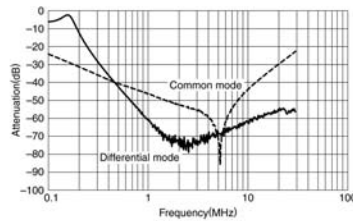
RSAL-2001W/A



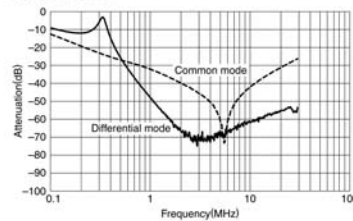
RSAL-2002W/A



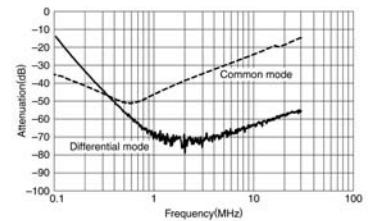
RSAL-2003W/A



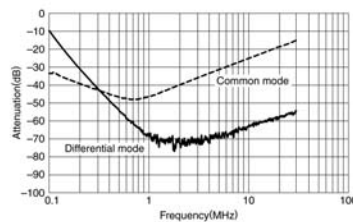
RSAL-2006W/A



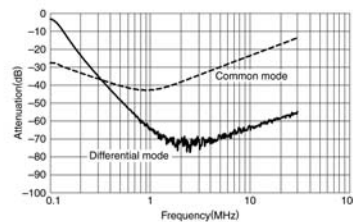
RSAL-20R5WL/AL



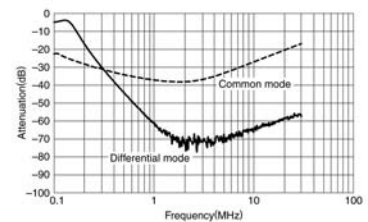
RSAL-2001WL/AL



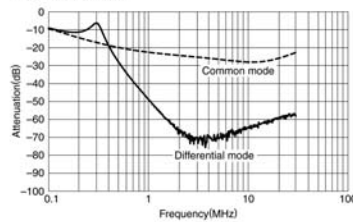
RSAL-2002WL/AL



RSAL-2003WL/AL



RSAL-2006WL/AL



For Additional Information, please visit  
[us.tdk-lambda.com/lp/products/r-series.htm](http://us.tdk-lambda.com/lp/products/r-series.htm)



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