

# A WORLD OF ADVANCED RESISTOR TECHNOLOGY

[www.riedon.com](http://www.riedon.com)



# RIEDON QUALITY, SERVICE & DELIVERY

Riedon is dedicated to offering the best customer service and support in the resistor industry. Riedon works directly with customers to ensure that their needs are met effectively and efficiently. If we don't have the specific resistive products you require, our engineering team can design and build products to your individual requirements and specifications.

## RESISTOR TECHNOLOGIES



### WIREWOUND

- Resistance Tolerances to 0.005% (Precision)
- Excellent High Pulse Performance (Power)
- Excellent High Temperature Performance
- Non-Inductive Winding Available
- Wide Range of TCR Available
- Low Thermal Noise



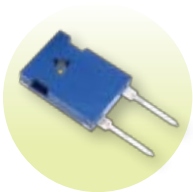
### THIN FILM

- Stable at Higher Frequencies
- More Economical Where High Resistances and Tight Tolerance Needed
- Low Inductance



### THICK FILM

- High Voltage
- High Resistance Values in Small Size
- Good Moisture Resistance

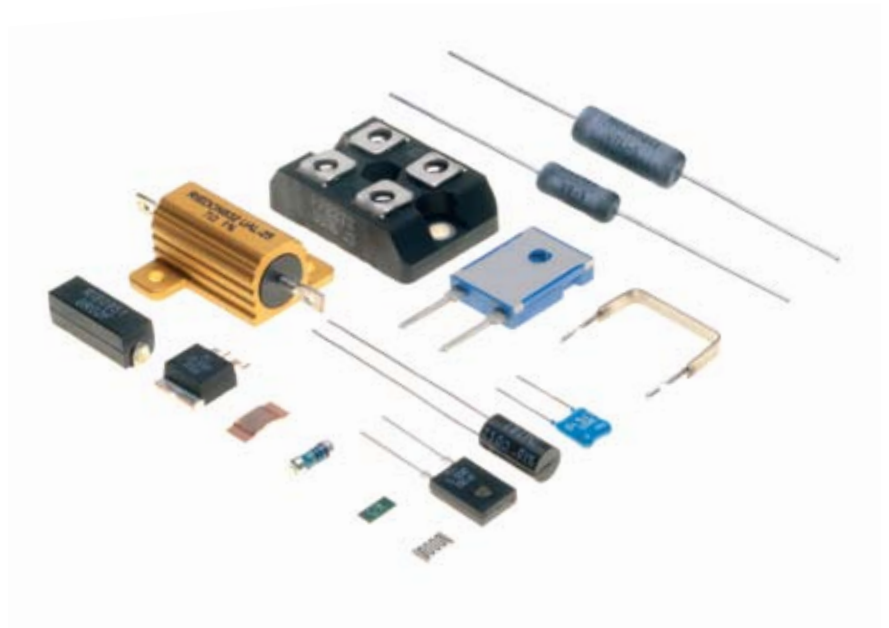


### FOIL

- Best Precision and Resistance Stability
- Low Inductance and Low TCR

## SERVICE

- Personalized technical support
- 24 hour response to online quotes
- One-week lead time for sample requests
- Dedicated sales and customer service staff guide customers through product selection and on-going needs
- Flexible manufacturing enables Riedon to support both low and high volume orders with industry-leading delivery times

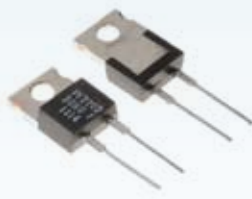


# RESISTIVE SOLUTIONS

## TO TYPE / CHASSIS MOUNT



PF1260



PF2200



PF2270



UAL

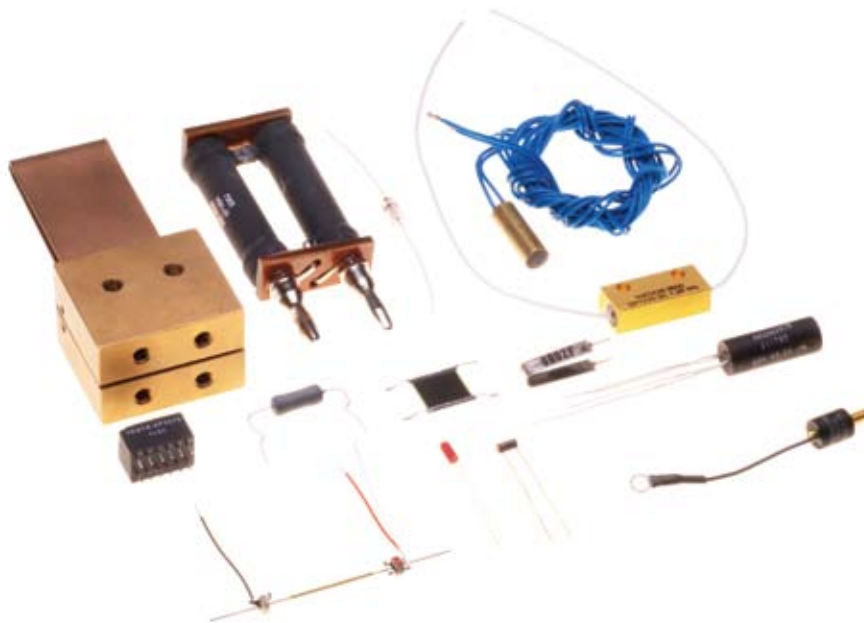


FPR2

|                 | Technology    | Power (Watt) | Resistance (Ohms) | Tolerance | TCR (ppm) | Applications                                                                                                                                                                                                                                                                                                                                            |
|-----------------|---------------|--------------|-------------------|-----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PF1260 (TO-126) | Thin Film     | 5–20         | 0.01–51K          | 1%        | 50        |                                                                                                                                                                                   |
| PF2200 (TO-220) | Thin Film     | 10–50        | 0.01–51K          | 1%        | 50        |                                                                                                                                                                                 |
| PF2470 (TO-247) | Thin Film     | 100–140      | 0.01–51K          | 1%        | 50        |                                                                                                                                                                               |
| PF2270 (TO-227) | Thin Film     | 200–600      | 0.1–100K          | 1%        | 100       |                                                                                                                                                                               |
| UAL             | Wirewound     | 5–300        | 0.01–250K         | 0.01%     | 20        |     |
| FPR2 (TO-218)   | Foil (CuNiMn) | 30           | 0.002–50          | 0.10%     | 15        |                                                                                          |

## CUSTOM DESIGNS

- Innovative answers to difficult resistor problems
- Custom-designed products involving both simple and major modification to our catalog products
- Customizations include: packaging, TCR, temperature range, lead forming, matched sets, resistor network and special testing



# SURFACE MOUNT



|                     | Technology    | Power (Watt) | Resistance (Ohms) | Tolerance | TCR (ppm) | Applications                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|---------------|--------------|-------------------|-----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>S SERIES</b>     | Wirewound     | 0.5–4        | 0.005–50K         | 0.01%–5%  | 20        |      |
| <b>SC</b>           | Wirewound     | 2            | 0.01–1K           | 0.005%    | 20        |                                                                                                                                                                         |
| <b>FPS2</b>         | Foil (CuNiMn) | 15           | 0.002–50          | 0.10%     | 15        |                                                                                                                                                                                                                                                           |
| <b>CAR</b>          | Thin Film     | 0.0625–0.5   | 1–2M              | 0.01%     | 5         |                                                                                                                                                                                                                                                           |
| <b>PFS35 (DPAK)</b> | Thin Film     | 35           | 0.01–51K          | 1%        | 50        |                                                                                                                                                                                                                                                                                                                                                |
| <b>PCR</b>          | Thick Film    | 0.125–1.5    | 1–20M             | 5%        | 100       |                                                                                                                                                                                                                                                                                                                                                |
| <b>HVC</b>          | Thick Film    | 0.05–0.8     | 10M–1T            | 0.25%     | 50        |                                                                                                                                                                                                                                                           |
| <b>NPS2</b>         | Thick Film    | 25           | 0.025–10K         | 1.00%     | 100       |                                                                                                                                                                                                                                                                                                                                                |
| <b>HVS</b>          | Thick Film    | 0.125–1.5    | 100K–10T          | 0.25%     | 25        |                                                                                                                                                                                                                                                           |
| <b>CRW</b>          | Thick Film    | 0.35–2       | 0.1–100M          | 0.50%     | 50        |                                                                                                                                                                                                                                                                                                                                                |
| <b>CLS</b>          | Thick Film    | 0.05–1       | 1–10M             | 1%        | 100       |                                                                                                                                                                                                                                                                                                                                                |
| <b>CHR</b>          | Thick Film    | 0.05–1       | 1–10M             | 0.50%     | 60        |                                                                                                                                                                                                                                                                                                                                                |
| <b>CSR</b>          | Metal Strip   | 1–3          | 0.0005–0.015      | 1%        | 50        |                                                                                                                                                                                                                                                                                                                                                |
| <b>MGM / MFM</b>    | Metal Film    | 0.5–3        | 1K–1G             | 0.50%     | 100       |                                                                                                                                                                                                                                                                                                                                                |
| <b>MNRS</b>         | Chip Shunt    | 3–5          | 0.001–0.004       | 1%        | 50        |                                                                                                                                                                                                                                                                                                                                                |

## LEADED



UT / UB



100 series



PC



HTE



HVR



SAA



MSR



MFP

|              | Technology    | Power (Watt) | Resistance (Ohms) | Tolerance | TCR (ppm) | Applications                                                                                                                                                                                                                                                                                                                                    |
|--------------|---------------|--------------|-------------------|-----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UT/ UB / UTL | Wirewound     | 0.1–15       | 0.005–260K        | 0.01%–10% | 20        |     |
| 100 SERIES   | Wirewound     | 0.05–2       | 0.1–6M            | 0.005%    | 1         |                                                                                                                                                                         |
| PC           | Wirewound     | 0.05–0.5     | 0.1–6M            | 0.005%    | 1         |                                                                                                                                                                       |
| HTE          | Thick Film    | 0.7–15       | 1K–100M           | 1%        | 100       |                                                                                                                                                                       |
| HVR / GST    | Thick Film    | 1–3          | 1 M–10T           | 0.25%     | 25        |                                                                                                                                                                                                                                                            |
| SAA / SCA    | Metal Film    | 0.25         | 10–1M             | 0.10%     | 5         |                                                                                                                                                                                                                                                            |
| MFP SERIES   | Metal Film    | 0.16–3       | 0.1–10M           | 0.01%     | 5         |                                                                                                                                                                                                                                                            |
| MSR          | Metal Element | 1–5          | 0.005–0.1         | 1%        | 20        |                                                                                                                                                                       |
| MT Series    | Metal Element | 1–10         | 0.003–0.1         | 0.10%     | 120       |                                                                                                                                                                       |

## APPLICATIONS KEY



High Pulse



Current Sense



High Precision



High Voltage



Temp Sensing



High Temp



High Power

# GLOBAL NETWORKS & MARKETS

Riedon offers manufacturing capability in the US, Mexico, China, Korea, Japan, India and Europe. We serve a wide variety of markets including Industrial, Medical, Instrumentation, Telecommunications and Aerospace/Defense, with sales and engineering support throughout the world through our representatives and distributors.



## INDUSTRIAL

Power Inverters  
HVDC-Systems  
Lighting (LED)  
Motor Control  
Braking Systems  
Power Supplies  
Welding



## MEDICAL

Defibrillators  
MRI  
X Ray  
Fluid Heaters



## INSTRUMENTATION

Smart Grid Metering  
Gas Monitoring  
Load Cells  
Precision Scales  
Temperature Sensors  
Pressure Transducers



## TELECOMMUNICATION

Base Station  
Lightning Pulse Survival  
Current Sensing



## AEROSPACE / DEFENSE

Surge Protection  
Engine Sensors  
Data Recorders  
Hydraulic Control  
Temperature Sensors  
Fire Suppression

**RIEDON HQ**  
Alhambra, CA

**RIEDON, INC**

300 Cypress Avenue, Alhambra, CA 91801



(626) 284 9901



#riedonresistors



sales@riedon.com



www.riedon.com

