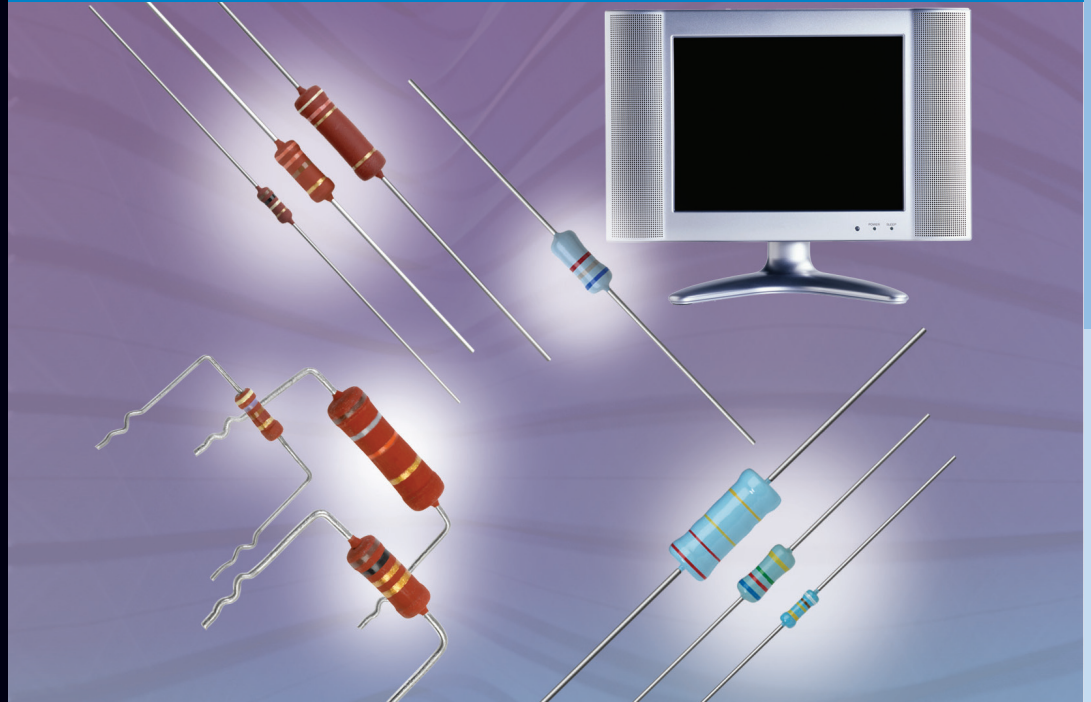




# POWER METAL FILM RESISTORS AND HIGH OHMIC/HIGH VOLTAGE RESISTORS

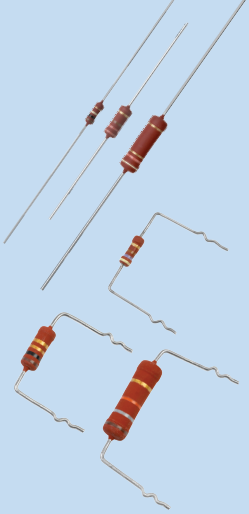
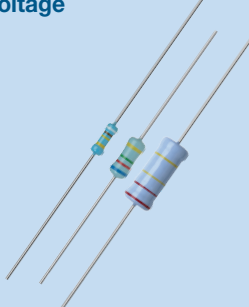



## KEY BENEFITS

- Metal film technology
- Metal glaze technology
- High power dissipation up to 3 W
- High operation voltages up to 10 000 V<sub>DC</sub>
- A wide resistance range 0.22  $\Omega$  to 68 M $\Omega$
- Excellent load life stability down to  $\pm 1.5\%$
- High pulse load capability up to 10 000 V



# POWER METAL FILM RESISTORS AND HIGH OHMIC/HIGH VOLTAGE RESISTORS

Product	Model	Power (W)	Resistance Range	TCR (ppm/°K)	Tolerance (%)	Applications
<b>Power Metal Film</b> 	PR01	0.6 1	0.22 Ω to 1 Ω 1 Ω to 1 MΩ	± 250 ± 250	± 5 ± 1 / ± 5	<ul style="list-style-type: none"> <li>• Telecommunication</li> <li>• Consumer</li> <li>• White goods</li> <li>• Industrial electronics</li> <li>• Switch mode power supplies</li> <li>• Line protection</li> <li>• Power section</li> <li>• Electronic ballasts</li> </ul>
	PR02	1.2 2	0.33 Ω to 1 Ω 1 Ω to 1 MΩ	± 250 ± 250	± 5 ± 1 / ± 5	
	PR03	1.6 3	0.68 Ω to 1 Ω 1 Ω to 1 MΩ	± 250 ± 250	± 5 ± 1 / ± 5	
	PR01 double kink	0.6 1	0.22 Ω to 1 Ω 1 Ω to 1 MΩ	± 250 ± 250	± 5 ± 5	
	PR02 double kink	1.2 2	0.33 Ω to 1 Ω 1 Ω to 1 MΩ	± 250 ± 250	± 5 ± 5	
	PR03 double kink	1.6 3	0.68 Ω to 1 Ω 1 Ω to 1 MΩ	± 250 ± 250	± 5 ± 5	
<b>High Ohmic / High Voltage</b> 	VR25, 1.6 k V	0.25	100 kΩ to 22 MΩ	± 200	± 1 / ± 5 / ± 10	<ul style="list-style-type: none"> <li>• Consumer</li> <li>• White goods</li> <li>• Industrial electronics</li> <li>• TV &amp; Monitor mains protection</li> <li>• Dynamic focus protection</li> <li>• Mains protection in switch mode power supplies</li> </ul>
	VR37, 3.5 k V	0.5	100 kΩ to 33 MΩ	± 200	± 1 / ± 5	
	VR68, 10 k V	1	100 kΩ to 68 MΩ	± 200	± 1 / ± 5	
<b>High Voltage Surge</b> 	LSR37, ESD discharge 12k V	0.5	220 Ω to 10 kΩ	+ 600 /to 600 to + 200	± 10 / ± 20	

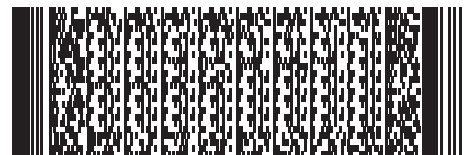
Note: Other R values are available on request.

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