Omega Products Pvt. Ltd. is a leading manufacturer of high precision thick film, thin film, wire wound resistors. With a wealth of intellectual capital and state-of-the-art manufacturing facilities, Omega is synonymous with innovation. Be it Design, Development, Manufacturing, or Testing, we are always ahead of the curve. Our competence and commitment to total quality and efficient customer service is second to none. Omega is called upon when reliability, responsiveness and high performance are critical.

We are trusted and respected by an elite clientele which includes the who’s who of Defense, Avionics, Space Applications, Telecom, Instrumentation, Computers, Medical, and Automobiles, etc.
## Thin Film Resistors

<table>
<thead>
<tr>
<th>Metal Film</th>
<th>Precision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>OHM</td>
</tr>
<tr>
<td>Power</td>
<td>1/4W - 2W</td>
</tr>
<tr>
<td>Range</td>
<td>1% - 10M</td>
</tr>
<tr>
<td>Tolerance</td>
<td>±0.02% - 5%</td>
</tr>
<tr>
<td>TCR</td>
<td>±5.15, 15.2, 50 ppm/°C</td>
</tr>
</tbody>
</table>

## Metal Oxide

| General Purpose | Type       | OHM       |
|-----------------|------------|
| Power           | 1/2W - 1.5W |
| Range           | 1% - 1M     |
| Tolerance       | ±1% - ±5%   |
| TCR             | ±200 - 1200 ppm/°C |

## Metal Glaze

| General Purpose | Type       | OHM       |
|-----------------|------------|
| Power           | 1/4W - 1/2W |
| Range           | 100k - 100M |
| Tolerance       | ±1% - ±5%   |
| TCR             | ±300 ppm/°C |

## Wire Wound Resistors

## Ceramic Encased

| General Purpose | Type       | D5C, D6R, D1C, D2C, D3C, D5C |
|-----------------|------------|
| Power           | 2W - 20W   |
| Range           | 0.011 - 100k |
| Tolerance       | ±1% - ±5%   |
| TCR             | ±160 - 300 ppm/°C |

## Silicon Coated Axial

| General Purpose | Type       | 0.5A       |
|-----------------|------------|
| Power           | 5W - 15W   |
| Range           | 0.011 - 50k |
| Tolerance       | ±1% - ±5%   |
| TCR             | ±160 ppm/°C |

## High Power

| General Purpose | Type       | DHP, D2X |
|-----------------|------------|
| Power           | 50W - 100W |
| Range           | 0.011 - 100k |
| Tolerance       | ±1% - ±5%   |
| TCR             | ±300 ppm/°C |

## Dynamic Braking

| General Purpose | Type       | 0.5A       |
|-----------------|------------|
| Power           | 50W - 150W |
| Range           | 0.011 - 100k |
| Tolerance       | ±1% - ±5%   |
| TCR             | ±200 ppm/°C |

## Ceramic Encased Divider

| Custom Built    | Type       | D5C, D6R, D1C, D2C, D3C, D5C |
|-----------------|------------|
| Power           | As per requirement |
| Range           | Requirement |
| Tolerance       | Requirement |
| TCR             | Requirement |

## Water Cooled (WCR)

| Custom Built    | Type       | D5C, D6R, D1C, D2C, D3C, D5C |
|-----------------|------------|
| Power           | As per requirement |
| Range           | Requirement |
| Tolerance       | Requirement |
| TCR             | Requirement |

## Thick Film Resistors

## High Voltage

<table>
<thead>
<tr>
<th>Type</th>
<th>OHM, OHN, OHN, OHN, OHN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>1W - 12.5W</td>
</tr>
<tr>
<td>Resistance Range</td>
<td>1k - 1G</td>
</tr>
<tr>
<td>Tolerance</td>
<td>±0.5% - ±1%</td>
</tr>
<tr>
<td>TCR</td>
<td>±25 - ±50, ±180 ppm/°C</td>
</tr>
</tbody>
</table>

## Non-Inductive

<table>
<thead>
<tr>
<th>Type</th>
<th>OHM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>2W - 10W</td>
</tr>
<tr>
<td>Resistance Range</td>
<td>1k - 1G</td>
</tr>
<tr>
<td>Tolerance</td>
<td>±0.5% - ±1%</td>
</tr>
<tr>
<td>TCR</td>
<td>±25 - ±50, ±180 ppm/°C</td>
</tr>
</tbody>
</table>

## Surface Mount

<table>
<thead>
<tr>
<th>Type</th>
<th>OHM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>0.5W - 2W</td>
</tr>
<tr>
<td>Resistance Range</td>
<td>100k - 1G</td>
</tr>
<tr>
<td>Tolerance</td>
<td>±0.5% - ±1%</td>
</tr>
<tr>
<td>TCR</td>
<td>±30, ±100 ppm/°C</td>
</tr>
</tbody>
</table>

## High Voltage Cylindrical General

<table>
<thead>
<tr>
<th>Type</th>
<th>OHM, OHN, OHN, OHN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>1W - 10W</td>
</tr>
<tr>
<td>Resistance Range</td>
<td>50k - 10G</td>
</tr>
<tr>
<td>Tolerance</td>
<td>±0.1% - ±1%</td>
</tr>
<tr>
<td>TCR</td>
<td>±10 ±800 ppm/°C</td>
</tr>
</tbody>
</table>

## High Voltage Cylindrical Precision

<table>
<thead>
<tr>
<th>Type</th>
<th>OHM, OHN, OHN, OHN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>1W - 10W</td>
</tr>
<tr>
<td>Resistance Range</td>
<td>5k - 15k</td>
</tr>
<tr>
<td>Tolerance</td>
<td>±0.1% - ±1%</td>
</tr>
<tr>
<td>TCR</td>
<td>±30 ±1000 ppm/°C</td>
</tr>
</tbody>
</table>

## High Wattage

<table>
<thead>
<tr>
<th>Type</th>
<th>OHM, OHN, OHN, OHN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>1W - 250W</td>
</tr>
<tr>
<td>Resistance Range</td>
<td>10k - 1G</td>
</tr>
<tr>
<td>Tolerance</td>
<td>±0.5% - ±10%</td>
</tr>
<tr>
<td>TCR</td>
<td>±3 ±600 ppm/°C</td>
</tr>
</tbody>
</table>

## Inrush Resistor

<table>
<thead>
<tr>
<th>Type</th>
<th>DR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>1 (60A-1 Sec)</td>
</tr>
<tr>
<td>Resistance Range</td>
<td>1k</td>
</tr>
<tr>
<td>Tolerance</td>
<td>±1% - ±10%</td>
</tr>
<tr>
<td>TCR</td>
<td>±100 ppm/°C</td>
</tr>
</tbody>
</table>

## Power Resistor (512-Twist)

<table>
<thead>
<tr>
<th>Type</th>
<th>OPR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>10 - 1kW</td>
</tr>
<tr>
<td>Resistance Range</td>
<td>10k - 200k</td>
</tr>
<tr>
<td>Tolerance</td>
<td>±10%</td>
</tr>
<tr>
<td>TCR</td>
<td>150 ppm</td>
</tr>
</tbody>
</table>

## Hybrid / Network Resistor

<table>
<thead>
<tr>
<th>Type</th>
<th>OHM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>As per requirement</td>
</tr>
<tr>
<td>Resistance Range</td>
<td>±1% - ±10%</td>
</tr>
<tr>
<td>Tolerance</td>
<td>±5%</td>
</tr>
<tr>
<td>TCR</td>
<td>±25 - ±50, ±180 ppm/°C</td>
</tr>
</tbody>
</table>