RK73H
precision 0.5%, 1% tolerance
thick film chip resistor

features

• RuO₂ thick film resistor element
• Anti-leaching nickel barrier terminations
• Also available with epoxy bondable palladium silver terminations in 1J, 2A and 2B sizes.
• Meets or exceeds EIA 575, EIAJ RC 2690A, EIA PDP-100, MIL-R-55342F
• Marking: Four-digit black on blue protective coat on 1E - 3A sizes. No marking on 1E size. Black body and no marking on 1H size. Three-digit on 1J size, E-24 values only.
• Products with lead-free terminations meet RoHS requirements.

dimensions and construction

For further information on packaging, please refer to Appendix A.

ordering information

New Part #  RK73H
Type  2B
Size  T
Termination Material
1H  T: Sn
L: SnPb
(Other termination styles available, contact factory for options)
1E
1J
2A
2B
2E
2H
3A

TP: 2mm pitch punched paper (0402 & 0603)
TD: 7" paper tape (0603, 0805, 1206 & 1210)
TDD: 10" paper tape (0603, 0805, 1206 & 1210)
TE: 10" punched plastic (0805, 1206, 1210, 2010 & 2512)
TED: 10" punched plastic (0805, 1206, 1210, 2010 & 2512)

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.
## applications and ratings

<table>
<thead>
<tr>
<th>Part Designation*</th>
<th>Power Rating @ 70°C</th>
<th>T.C.R. (ppm/°C) Max.</th>
<th>Resistance Range E-24, E-96 (D±0.5%)</th>
<th>Resistance Range E-24, E-96 (F±1%)</th>
<th>Absolute Maximum Working Voltage</th>
<th>Absolute Maximum Overload Voltage</th>
<th>Operating Temperature Range**</th>
</tr>
</thead>
<tbody>
<tr>
<td>RK73H1H (0201)</td>
<td>1/20W (.05W)</td>
<td>±200</td>
<td>10Ω - 1MΩ</td>
<td>10Ω - 1MΩ</td>
<td>25V</td>
<td>50V</td>
<td>-55°C to +125°C</td>
</tr>
<tr>
<td>RK73H1E (0402)</td>
<td>1/16W (.063W)</td>
<td>±100</td>
<td>10Ω - 976k</td>
<td>10Ω - 1MΩ</td>
<td>50V</td>
<td>100V</td>
<td></td>
</tr>
<tr>
<td>RK73H1J (0603)</td>
<td>1/10W (.10W)</td>
<td>±200</td>
<td>10Ω - 1MΩ</td>
<td>10Ω - 9.76Ω</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RK73H2A (0805)</td>
<td>1/8W (.125W)</td>
<td>±400</td>
<td>10Ω - 1MΩ</td>
<td>10Ω - 9.76Ω</td>
<td>150V</td>
<td>300V</td>
<td>-55°C to +155°C</td>
</tr>
<tr>
<td>RK73H2B (1206)</td>
<td>1/4W (.25W)</td>
<td>±100</td>
<td>10Ω - 1MΩ</td>
<td>10Ω - 9.76Ω</td>
<td>200V</td>
<td>400V</td>
<td></td>
</tr>
<tr>
<td>RK73H2E (1210)</td>
<td>1/2W (.50W)</td>
<td>±100</td>
<td>10Ω - 1KΩ</td>
<td>10Ω - 9.76Ω</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>RK73H2E (1210)</td>
<td>1/3W (.33W)</td>
<td>±100</td>
<td>1.02Ω - 1MΩ</td>
<td>1.02Ω - 9.76Ω</td>
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<tr>
<td>RK73H3A (2512)</td>
<td>1W</td>
<td>±400</td>
<td>1.02Ω - 9.76Ω</td>
<td>5.62MΩ - 10MΩ</td>
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</tr>
</tbody>
</table>

* Parenthesis indicate EIA package size codes.  
** IJ, 2A, 2B sizes available -55°C to +175°C (contact factory).  
1 E-24 values only.

## environmental applications

### Derating Curve

For complete environmental specifications, please refer to pages 28-29.

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