

SMD Resistors

type RH73 series

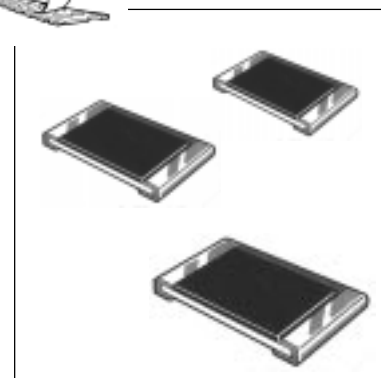
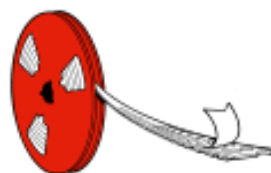
The RH73 Series is a stable high value chip resistor range offering various power dissipations relating to chip size. Meggitt Electronics are pleased to offer this innovative range of chip resistors up to 100 Gig. The RH73 Series is suitable for flow and reflow soldering. It has a thick film resistor element and three layers of terminal material to ensure high reliability. A limited value range of 08:05 sizes can be purchased from stock.

Packaging:
1000 Pieces (7" Reel)
4000 Pieces (7" Reel)

Please Request Full Data
Sheet F0762

Key features

- low voltage dependency
- choice of packages
- supplied reeled or bulk
- values up to 100 gig ohms
- attractively priced
- suited to pick and place
- custom designs possible
- high stability



Specification

Electrical

| Size | T.C.R's Per Value (ppm/°c) | | | | | Tolerances Per Value (%) | | | | | Power Rating @ 70°C | Maximum Working Voltage |
|------|----------------------------|----------|---------|----------|-----------|--------------------------|----------|---------|----------|-----------|---------------------|-------------------------|
| | 10M-100M | 100M1-1G | 1G1-10G | 10G1-33G | 33G1-100G | 10M-100M | 100M1-1G | 1G1-10G | 10G1-33G | 33G1-100G | | |
| 1E | H/U | W/X | X/Y | - | - | ≥5 | ≥5 | ≥10 | - | - | 0.050W | 30V |
| 1J | H/U | U/W | W/X | X/Y | - | ≥5 | ≥5 | ≥10 | ≥10 | - | 0.075W | 75V |
| 2A | H/U | U/W | W/X | X/Y | Y/Z | ≥2 | ≥5 | ≥5 | ≥10 | ≥10 | 0.125W | 100V |
| 2B | H/U | U/W | W/X | X/Y | Y/Z | ≥2 | ≥5 | ≥5 | ≥10 | ≥10 | 0.250W | 200V |
| 2E | H/U | H/U | U/W | U/W | W/X | ≥2 | ≥5 | ≥5 | ≥5 | ≥5 | 0.350W | 300V |
| 3A | H/U | H/U | U/W | U/W | W/X | ≥2 | ≥5 | ≥5 | ≥5 | ≥5 | 0.600W | 1000V |

Tolerances available: 2%, 5%, 10%, 20%, 30%

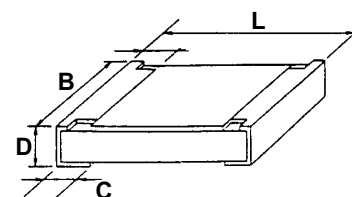
Environmental

Temperature Range: -55°C to +125°C
Climatic Category: 55/125/56
Solderability: 235°C for 5 Seconds

Values above 100M do not have glaze coat. This is to avoid reaction with a galvanic coating on the terminals. This does not affect the resistor performance.

Dimensions

| Part Number | Dimensions | | | |
|-------------|--|--|--|--|
| | L | B | C | D |
| RH73 1E | 1.04 ^{+0.05} _{-0.05} | 0.50 ^{+0.05} _{-0.05} | 0.10 ^{+0.05} _{-0.05} | 0.30 ^{+0.05} _{-0.05} |
| RH73 1J | 1.52 ^{+0.10} _{-0.05} | 0.75 ^{+0.15} _{-0.05} | 0.30 ^{+0.10} _{-0.10} | 0.40 ^{+0.10} _{-0.05} |
| RH73 2A | 2.00 ^{+0.15} _{-0.05} | 1.25 ^{+0.20} _{-0.05} | 0.30 ^{+0.10} _{-0.20} | 0.40 ^{+0.10} _{-0.05} |
| RH73 2B | 3.20 ^{+0.15} _{-0.05} | 1.50 ^{+0.20} _{-0.05} | 0.30 ^{+0.15} _{-0.05} | 0.40 ^{+0.10} _{-0.05} |
| RH73 2E | 3.20 ^{+0.15} _{-0.05} | 2.50 ^{+0.20} _{-0.05} | 0.80 ^{+0.15} _{-0.05} | 0.50 ^{+0.10} _{-0.05} |
| RH73 3A | 6.30 ^{+0.15} _{-0.05} | 3.20 ^{+0.20} _{-0.05} | 0.90 ^{+0.15} _{-0.05} | 0.60 ^{+0.10} _{-0.05} |



The RH 73 is not individually part marked.

How to Order

| Common Part | T.C.R. | Package Size | Resistance Value | Tolerance | Pack Style |
|-------------|---|--|---|---|--|
| RH73 | H - 100ppm U - 250ppm W - 500ppm X - 1000ppm Y - 2000ppm Z - 3000ppm | 1E - 04:02 1J - 06:03 *2A - 08:05 2B - 12:06 2E - 12:10 3A - 25:12 * Standard Part | 10M ohm (10 ⁷ ohms) 10M 100M ohm (10 ⁸ ohms) 100M 1G ohm (10 ⁹ ohms) 1G0 | G - 2% J - 5% K - 10% M - 20% N - 30% | TN - 1000 (plastic) TE - 4000 (plastic) |

If no requirements for TCR, VCR and Voltage are given, the standard values (higher values in table) will be supplied.
10V is used for measuring

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