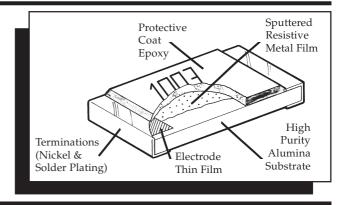
MEGGITT HOLSWORTHY

PRECISION RESISTORS SMD PRECISION RESISTORS PRECISION NETWORKS

High Precision Resistors (SMD)

TYPE RN73 SERIES



The RN73 series is a high stablity precision chip resistor range offering various power dissipation relating to chip size, TCR's down to 5ppm/°C and resistor tolerances to 0.1%. The resistor is produced with three sputtered layers giving better performance. Values are restricted to the E96 and E24 value grids. The RN73 has accurate and uniform physical dimensions to facilitate placement. They are of course packaged on tape and reeled.

MEGGITT HOLSWORTHY KEY FEATURES

- HIGH PRECISION TCR 5ppm/°C and 10ppm/°C
- TOLERANCE OF 0.1%
- THIN FILM (NICHROME)
- CHOICE OF PACKAGES (0805 STD)
- SUPPLIED ON REELS OF 5000 or 1000
- STABLE HIGH FREQUENCY PERFORMANCE
- 100V DC OPERATING VOLTAGE
- TEMPERATURE RANGE -55°C to +125°C

MEGGITT ELECTRONIC COMPONENTS LTD

SALES ACTION DESK TEL: (01793 611666) FAX: (01793 611777) EMAIL: sales@megelec.co.uk WEB SITE: www.meggittelectronics.com

SPECIFICATION

TYPE RN73 SERIES

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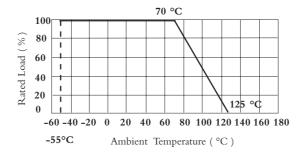
ELECTRICAL

| | 0603 (1J) | 0805 (2A) | 1206 (2B) | |
|---------------------------|-----------------------|-----------|-----------|--|
| Rated Power | 0.063W | 0.1W | 0.125W | |
| Maximum working voltage | n working voltage 50V | | 150V | |
| Maximum overload voltage | 100V | 200V | 300V | |
| Working temperature range | -55°C∼+125°C | | | |
| Rated ambient temperature | 70°C | | | |

RESISTANCE VALUE RANGE

| Package | Package | T.C.R. | Resistance Tolerance |
|---------|---------|----------|----------------------|
| Size | Code | (ppm/°C) | E-24, E-96 series |
| 0603 | 1J | C (± 10) | 10R - 49K9 |
| 0805 | 2A | A (± 5) | 10R - 150K |
| 0805 | 2A | C (± 10) | 10R - 150K |
| 1206 | 2B | A (± 5) | 10R - 470K |
| 1206 | 2B | C (± 10) | 10R - 470K |

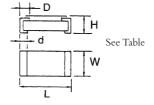
POWER DERATING CURVE



For temperartures in excess of 70°C the load shall be derated in accordance with the following figure.

DIMENSIONS

| Туре | L ± 0.2 | $W \pm 0.2$ | D | $d \pm \frac{0.2}{0.1}$ | H ± 0.1 |
|----------|---------|-------------|---------------|-------------------------|---------|
| RN73 1J | 1.6 | 0.8 | 0.3 ± 0.2 | 0.3 | 0.4 |
| RN 732A* | 2.0 | 1.25 | 0.4 ± 0.2 | 0.3 | 0.5 |
| RN 732B | 3.2 | 1.6 | 0.5 ± 0.3 | 0.4 | 0.6 |



HOW TO ORDER

| RN73 | C | 2 A | | 100K | | B | TDF |
|------------------------------|------------------------------------|--------------------------------------|----------------------------------|---|---------------------|--------------|--|
| COMMON PART | TEMP. COEFFICIENT OF RESISTANCE | CHIP SIZE | RES | SISTANCE VALUE | | TOLERANCE | PACK QTY |
| RN73 - Series Part Number | A - ± 5 ppm/°C C - ± 10 ppm/°C* | 1J - 0603 2A - 0805* 2B - 1206 | 100 ohms 1 K ohm 100 K ohm | (100 ohms) (1000 ohms) (100,000 ohms) | 100R 1K0 100K | B ± 0.1% | TG - Cut tape lengths (2A only) TDF - 1000 (Paper) (2A Only) TD - 5000 (Plastic) |

* Preferred - Stocked Item



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