

**Type RN73 Series**



The RN73 series is a high stability precision chip resistor range offering various power dissipations relating to chip size, TCR's down to 5ppm/°C and resistance tolerances to 0.1%. The resistor is produced with three sputtered layers giving optimum performance. Values are restricted to the E96 and E24 value grids. The RN73 has accurate and uniform physical dimensions to facilitate placement.

**Key Features**

- High Precision - TCR 5ppm/°C and 1-10ppm/°C
- Tolerance of 0.1%
- Thin Film (Nichrome)
- Choice of Packages (0805 STD)
- Stable High Frequency Performance
- 100V DC Operating Voltage
- Temperature Range -55°C to +125°C

**Type RN73 Series**

**Characteristics - Electrical**

	0402 (1E)	0603 (1J)	0805 (2A)	1206 (2B)
Rated Power:	0.063W	0.063W	0.1W	0.125W
Maximum Working Voltage:	25V	50V	100V	150V
Maximum Overload Voltage:	50V	100V	200V	300V
Working Temperature Range:	-55°C ~ +125°C			
Rated Ambient Temperature:	70°C			

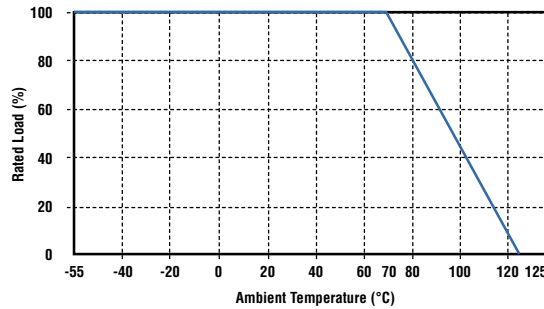
**Resistance Value Range**

Package Size	Package Code	T.C.R. (ppm/°C)	Resistance Tolerance E-24, E-96 series
0402	1E	C (±10)	47R - 100K
0603	1J	C (±10)	10R - 270K
0805	2A	A (±5)	10R - 150K
0805	2A	C (±10)	5R11 - 470K
1206	2B	A (±5)	5R11 - 470K
1206	2B	C (±10)	5R11 - 470K

Tolerances greater than 0.1% previously supplied under the RN73 Series, are now branded CPF. Please request the CPF Series datasheet.

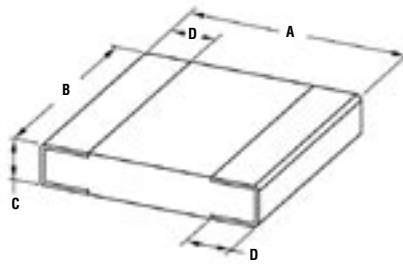
TCR's greater than 10ppm previously supplied under the RN73 Series, are now branded CPF. Please request the CPF Series datasheet.

**Power Derating Curve**



For temperatures in excess of 70°C the load shall be derated in accordance with this curve.

**Dimensions**



Type	L ±0.2	W ±0.2	D	d ± <sup>0.2</sup> / <sub>0.1</sub>	H ± 0.1
RN73 1E	1.0	0.5	0.2	0.2	0.35
RN73 1J	1.6	0.8	0.3 ± 0.2	0.3	0.4
RN73 2A	2.0	1.25	0.4 ± 0.2	0.3	0.5
RN73 2B	3.2	1.6	0.5 ± 0.3	0.4	0.6

**How to Order RN73**

Common Part	Temp. Coefficient	Chip Size	Resistance Value	Tolerance	Pack Quantity
RN73 - Series part Number	A - ±5ppm/°C *C - ±10ppm/°C	1E - 04:02 1J - 06:03 *2A - 08:05 2B - 12:06	100 ohms (100 ohms) 100R 1 K ohm (1000 ohms) 1K0 100 K ohm (100000 ohms) 100K	*B ±0.1%	TG - Cut Tape Lengths (1J, 2A only) TDF - 1000 (2A only) TD - 5000

\*Preferred Stock Item