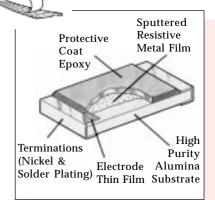
20

thin film precision chip

Key features

- clear 4 digit marking
- thin film (nichrome)
- tcr's ±10ppm/°C, ±15ppm/°C, ±25ppm/°C
- tolerances ±0.1%, ±0.25%, ±0.5%
- reels 5000, 4000, 1000 or loose
- stable high frequency performance
- 100 Vdc operating
- temperature -55°C to +125°C



SMD Resistors

type RN series

The RN73 is a stable precision chip resistor range offering various power dissipations relating to chip size, TCR's down to 10ppm/°C and resistor tolerances down to 0.1% The resistor is produced with three print layers for longer life and better performance. Meggitt Electronics are probably alone in offering full reels of just 1000 pieces in the 08:05 packge 0.1% tolerance types.

Specification

Electrical

Resistance Value Range

Type	T.C.R.	Resistance tolerance E-24 & E96 series values				
	(ppm/°C)	(ohms)				
		B (±0.1%)	C (±0.25%)	D (±0.5%)	F (±1.0%)	
	C (±10)	100~100K	100~100K	100~100K	-	
2 A	F (±25)	100~100K	51~100K	10~100K	10~100K	
	G (±50)	-	51~150K	10~150K	10~150K	
	H (±100)	-	-	160K~1M	160K~1M	
2B	C (±10) F (±25) G (±50) H (±100)	100~130K 100~130K - -	100~130K 51~130K 51~360K	100~130K 10~130K 10~360K 390K~1M	- 10~130K 10~360K 390K~1M	
2E	C (±10) F (±25) G (±50) H (±100)	100~240K 100~240K - -	100~240K 51~240K 51~510K	100~240K 10~240K 10~510K 560K~1M	10~240K 10~510K 560K~1M	

2A	2B	2E
0.1W	0.125W	0.25W
100V	150V	200V
200V	300V	400V
-55°C to +125°C		
70°C		
	0.1W 100V 200V	0.1W 0.125W 100V 150V 200V 300V -55°C to +125°C

sales action desk (01793) 611666 sales fax line (01793) 611777

Environmental

Type

RN73 2A*

RN73 2B

RN73 2E

ITFM **CHARACTERISTICS** DC resistance value: Within allowance Short -time overload: C, F, G, $\pm (0.1\% + 0.05 \text{ ohms})$

 $\pm (0.25\% + 0.05 \text{ ohms})$

More than 103 M ohms Insulation Resistance: Dielectric withstand voltage: $\pm (0.1\% + 0.05 \text{ ohms})$ Resistance to solder heat: C. F. G. $\pm (0.1\% + 0.05 \text{ ohms})$

> Н $\pm (0.25\% + 0.05 \text{ ohms})$

Solderability: 95% Minimum Terminal strength: $\pm (0.1\% + 0.05 \text{ ohms})$

Resistance to solvent: No damage and marking must

remain legible.

 $\pm (0.25\% + 0.05 \text{ ohms})$ Temperature Cycle: $\pm (0.5\% + 0.05 \text{ ohms})$ Moisture Resistance (Load):

 $L \pm 0.2$ $W \pm 0.2$

1.6

2.5

2.0

3.2

C, F, G, $\pm (0.25\% + 0.05 \text{ ohms})$ Life:

 $\pm (0.5\% + 0.05 \text{ ohms})$

Room Temperature Exposure: C, F, G, $\pm (0.1\% + 0.05 \text{ ohms})$

 $\pm (0.2\% + 0.05 \text{ ohms})$ C, F, G, H relate to T.C.R.

Dimensions (mm)

 \mathbf{D}

 $0.4\,\pm\,0.2$

 $0.5\,\pm\,0.3$

 0.5 ± 0.3

TEST METHOD (JIS C 5202)

Item 5.1 Condition A Item 5.5 Condition A 2.5 x RCWV for 5 seconds

Item 5.6 500V DC

Item 5.7 500V DC 60±10 seconds Item 6.4 260°C \pm 5°C 10 \pm 1 second

Item 6.4 235°C ±5C 3±0.5 second Item 6.1.4 3mm deflection in either

direction for 10 seconds Item 6.9 condition A

1 Year $\pm \frac{1}{2}$ day 25 $\pm 10^{\circ}$ C

Item 7.4 -55°C/+125°C 5 cycles Item 7.9 40 ± 2° 90~95% RH 1000 Hours Item 7.10 70 \pm 3°C 1000 Hours

SMD Resistors

The RN73 has accurate and uniform physical dimensions to reduce placement problems. Values are restricted to the E96 grid. They are of course packaged on tape and reeled. Each resistor is individually part marked. The 08:05 chip is available in 0.1% 10ppm/°C from stock at all major UK catalogue distributors, in large

type RN series

Packaging: 1000 Pieces (7" Reel) 08:05 only 2000 Pieces (7" Reel)

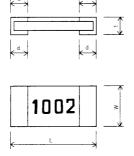
or small quantities

4000 Pieces (7" Reel) 5000 Pieces (7" Reel)

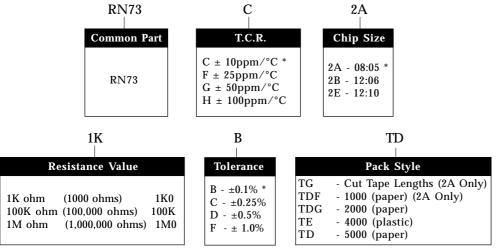
Please Request Full Data

Sheet F0720

Dimensions



How To Order



 $\mathbf{d} \pm \mathbf{0.2} \quad \mathbf{t} \pm \mathbf{0.1}$

0.6

0.6

0.3

0.4

* Preferred Stock Item

