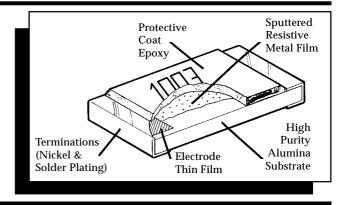
MEGGITT HOLSWORTHY

HYBRID CIRCUITS
ELECTRONIC ASSEMBLIES
PRECISION RESISTORS
SMD PRECISION RESISTORS
PRECISION NETWORKS

High Precision Resistors (SMD)

TYPE RN73 SERIES



The RN73 series is a stable precision chip resistor range offering various power dissipation relating to chip size, TCR's down to $10 \text{ppm}/^{\circ}\text{C}$ and resistor tolerances to 0.1%. The resistor is produced with three sputtered layers giving better performance. Values are restricted to the E96 grid and 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 10 PPM/°C
- **TOLERANCES DOWN TO 0.1%**
- THIN FILM (NICHROME)
- **CHOICE OF PACKAGES (08:05 STD)**
- **SUPPLIED ON REELS OF 5000, 4000 or 1000**
- STABLE HIGH FREQUENCY PERFORMANCE
- 100V DC OPERATING VOLTAGE
- **TEMPERATURE RANGE** -55°C to +125°C



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

SPECIFICATION

TYPE RN73 SERIES (Page 2 of 2)

ELECTRICAL

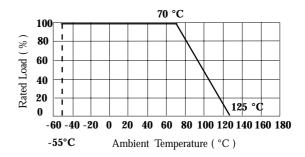
IJ	ZA	ZB	ZE	
0.063W	0.1W	0.125W	0.25W	
50V	100V	150V	200V	
100V	200V	300V	400V	
$-55^{\circ}\mathrm{C} \sim +125^{\circ}\mathrm{C}$				
70°C				
	50V	0.063W 0.1W 50V 100V 100V 200V -55°C ~	0.063W 0.1W 0.125W 50V 100V 150V 100V 200V 300V -55°C ~ +125°C	

RESISTANCE VALUE RANGE

Туре	T.C.R. (ppm/°C)	Resistance Tolerance E-24, E-96 series						
	••	B (±0.1%)	C (±0.25%)	D (±0.5%)	F (±1.0%)			
	$F (\pm 25)$	100 ~ 33K	51 ~ 33K	10 ~ 33K	10 ~ 33K			
1J	$G (\pm 50)$		51 ~ 100K	10 ~ 100K	10 ~ 100K			
	H (±100)			110K ~ 330K	110K ~ 330K			
	C (± 10)	100 ~ 100K	100 ~ 100K	100 ~ 100K				
	$D (\pm 15)$	100 ~ 100K	100 ~ 100K	$100 \sim 100 K$				
2A	$F (\pm 25)$	51 ~ 100K	51 ~ 100K	10 ~ 100K	10 ~ 100K			
	$G (\pm 50)$		51 ~ 150K	$10 \sim 249 K$	10 ~ 150K			
	H (±100)			160K ~ 1M	160K ~ 1M			
	C (± 10)	100 ~ 130K	100 ~ 130K	100 ~ 130K				
	$D (\pm 15)$	100 ~ 130K	100 ~ 130K	100 ~ 130K				
2B	$F(\pm 25)$	51 ~ 130K	51 ~ 130K	10 ~ 130K	10 ~ 130K			
	$G (\pm 50)$		51 ~ 360K	10 ~ 360K	10 ~ 360K			
	H (±100)			390K ~ 1M	390K ~ 1M			
	C (± 10)	100 ~ 240K	100 ~ 240K	100 ~ 240K				
	D (± 15)		100 ~ 240K					
2E	F (± 25)			10 ~ 240K	10 ~ 240K			
	$G (\pm 50)$			10 ~ 510K				
	H (±100)			560K ~ 1M	560K ~ 1M			
	H (± 100 ppm/°C) of T.C.R. is only E - 24							

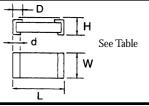
POWER DERATING CURVE

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



DIMENSIONS

Type	$L \pm 0.2$	$W \pm 0.2$	D	$d_{\pm 0.2}^{0.2}$	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
RN 732E	3.2	2.5	0.5 ± 0.3	0.4	0.6



HOW TO ORDER

RN/3		2A		100K		В	1DF 	
COMMON PART	TEMP. COEFFICIENT	CHIP SIZE	RESISTANCE VALUE T		TOLERANCE	PACK QTY		
RN73 - Series Part Number	OF RESISTANCE C ± 10 ppm/°C* D ± 15 ppm/°C F ± 25 ppm/°C G ± 50 ppm/°C H ± 100 ppm/°C	1J - 06:03 2A - 08.05* 2B - 12.06 2E - 12.10	100 ohms 1 K ohm 100 K ohm	(100 ohms) (1000 ohms) (100,000 ohms)	100R 1K0 100K	B ± 0.1%* C ± 0.25% D ± 0.5% F ± 1.0%	TG - Cut tape lengths (2A only) TDF - 1000 (Paper) (2A Only) TDG - 2000 (Paper) TE - 4000 (Plastic) TD - 5000 (Plastic)	

^{*} Preferred - Stocked Item



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