MEGGITT HOLSWORTHY
ELECTRONIC ASSEMBLIES
PRECISION RESISTORS
SMD PRECISION RESISTORS
PRECISION NETWORKS

SMD Precision Resistors

TYPE RP73 SERIES

The RP73 Series is a stable thin film chip resistor range offering various power dissipation relating to chip size. The resistor is produced with three print layers for longer life and better performance. Values are restricted to E96 grids and the RP73 has accurate and uniform physical dimensions to reduce placement problems. The range is constantly being extended. Due to special technology used to produce tight tolerance, low TCR at high values the RP73 is not individually part marked.

MEGGITT HOLSWORTHY KEY FEATURES

- **HIGH PRECISION - TCR 10 PPM/°C**
- **TCR 10PPM/°C**
- **TOLERANCES DOWN TO 0.05%**
- **WIDER RESISTOR VALUE OPTIONS**
- **SUPPLIED ON REELS OF 1000/4000 OR 5000**
- **THIN FILM (NICHROME)**
- **STABLE HIGH FREQUENCY PERFORMANCE**
- **200V DC OPERATING VOLTAGE**
- **TEMPERATURE -55°C to +155°C**

MEGGITT
ELECTRONIC
COMPONENTS

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ELECTRICAL

TYPE	T.C.R's AVAILABLE PER RESISTANCE VALUE (PPM)				
	5R1 - 10R	10R1 - 47R	47R1 - 332K	332K1 - 1M0	1M1 - 5M
RP73 1J		25/50	10/15/25/50		
RP73 2A		25/50	10/15/25/50	10/15/25/50	
RP73 2B	50	25/50	10/15/25/50	10/15/25/50	50

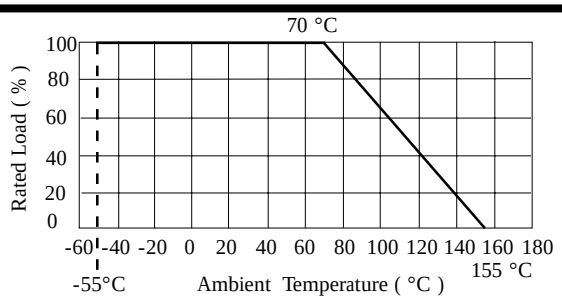
TYPE	TOLERANCES AVAILABLE PER RESISTANCE VALUE (%)				
	5R1 - 10R	10R1 - 100R	101R - 332K	332K1 - 1M0	1M1 - 5M
RP73 1J		0.1/0.25/0.5/1.0	0.1/0.25/0.5/1.0		
RP73 2A		0.1/0.25/0.5/1.0	0.05/0.1/0.25/0.5/1.0	0.1/0.25/0.5/1.0	
RP73 2B	1.0	0.1/0.25/0.5/1.0	0.05/0.1/0.25/0.5/1.0	0.1/0.25/0.5/1.0	0.25/0.5/1.0

TYPE	POWER RATING @ 70°C	MAX. WORKING VOLTAGE
RP73 1J	0.065 W	30V
RP73 2A	0.125 W	75V
RP73 2B	0.250W	200V

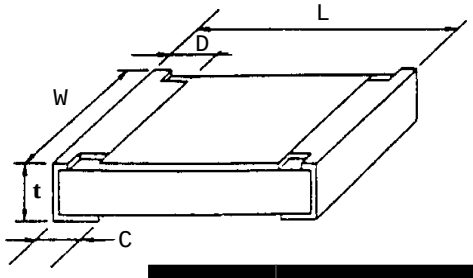
LONG TERM STABILITY	100R - 100K	<100R1, 100K+
Storage 125°C/1000Hrs	<0.15%	<0.35%
Storage 155°C/1000Hrs	<0.35%	<0.50%
Load P70/70°C/1000Hrs	<0.15%	<0.50%
Damp Heat (56d/40°C/96%)	<0.50%	<0.75%

POWER DERATING CURVE

For resistors operated in ambient temperatures above 70°C, power rating must be derated in accordance with the curve right.



DIMENSIONS



Part No.	DIMEMSIONS				
	L ± 0.2	W	C	d	t ± 0.1
RP73 1J	1.6	0.8±0.1	0.3±0.1	0.3 ± 0.1	0.4
RP73 2A	2.0	1.25±0.2	0.4±0.2	0.3 ± 0.2	0.4
RP73 2B	3.2	1.6±0.2	0.5±0.2	0.4 ± 0.2	0.6

All Dimensions are Nominal and in mm Do Not Scale

HANDLING RECOMMENDATIONS

When flow soldering - the land width must be smaller than the chip resistor width to properly control the solder application.
Generally, the land width can be chip resistor width (W) x 0.7 to 0.8.
When reflow soldering - solder application amount can be adjusted.
Thus the land width can be set to W x 1.0 to 1.3.

SOLDERABILITY

235°C 2 seconds
DIN IEC 68T2 - 20 Ta Meth. 1
Max Soldering Temperature 260°C 10 seconds
DIN IEC 68 T2 - 20, Tb Meth. 1A

HOW TO ORDER

RP73	C	2A	1K0	B	TN
COMMON PART	TEMP COEFF.	PACKAGE SIZE	RESISTOR VALUE		PACKAGING
RP73 Standard Part	C - 10ppm/°C D- 15ppm/°C F - 25ppm/°C G - 50ppm/°C	1J - 06:03 2A - 08:05 2B - 12:06	10 Ohm (10 ohm) 10R 1K Ohm (1000 ohms) 1K0 1 Meg Ohm (1000000 ohms) 1M0	B - 0.1% C - 0.25% D - 0.5% F - 1%	TG - Cut Tape Lengths TN - 1000 TE - 4000 TD - 5000

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