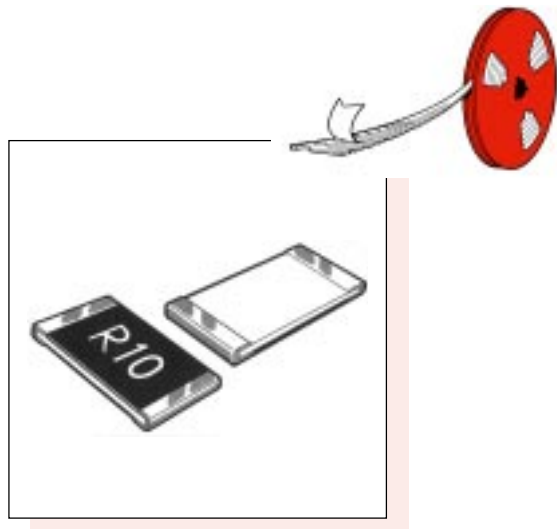


for current sense - thick film



Key features

- up to 1 watt at 70°C •
- values down to R10 •
- supplied on tape •
- ideal for current sensing •
- value marked •
- packaged on 7" reels •
- custom designs available •
- attractive pricing •

SMD Resistors

type RL73 series

Specification

Electrical

Type	Power Rating	Maximum Working Voltage	Resistance Range (ohms)		Operating Temperature Range
			F (± 1%) E-96, E-24	G (± 2%)J(± 5%) E-24	
RL73_2A	0.125W	1.11V	R20 ~ 10R	---	-55°C to +125°C
RL73_2B	0.25W	1.58V	---	R10 ~ 10R	
RL73_2E	0.5W	2.23V	R20 ~ 10R	---	
RL73_2H	0.75W	2.73V	---	R10 ~ 10R	
RL73_3A	1.0W	3.16V	R20 ~ 10R	---	
			---	R10 ~ 10R	

Rated Ambient Temperature +70°C

Temperature Coefficient of Resistance

Resistors with 1% tolerance will have a TCR of 100ppm/°C

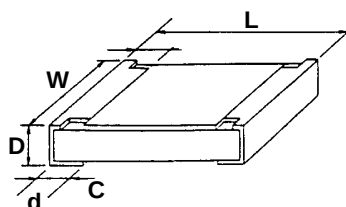
Resistors with 2% or 5% tolerance will have a TCR of 200ppm/°C

Recommended Circuit Board Design

If this device is anticipated to run at full continuous power then action to improve the cooling should be taken. This can be a metal substrate, copper pad left under the chip or an opening in the PCB.

Dimensions

Type	Dimensions (mm)				
	L ± 0.2	W ± 0.2	C ± 0.3	D ± 0.1	d ^{+0.2} / _{-0.1}
RL73 2A	2.0	1.25	0.4	0.5	0.3
RL73 2B	3.2	1.6	0.5	0.6	0.4
RL73 2E	3.2	2.6	0.5	0.6	0.4
RL73 2H	5.0	2.5	0.5	0.6	0.4
RL73 3A	6.3	3.1	0.5	0.6	0.4



How to Order

Common Part	T.C.R.	Chip Size	Resistance Value	Tolerance	Pack Style
RL73	H - 100ppm (± 1% Tol) K - 200ppm (± 2%/5% Tol)	2A - 08:05 2B - 12:06 2E - 12:10 2H - 20:10 3A - 25:12	0.1 ohm (100 milli ohms) 1.0 ohm (1000 milli ohms) 10 ohm (10 ohms)	R10 1R0 10R	F - ± 1% G - ± 2% J - ± 5%
					TG - Cut Tape Lengths TE - 4000 Reel TD - 5000 Reel TP - 10000 Reel

The RL73 series has a special metal glaze resistive element and a barrier layer beneath the solder to extend terminal life.

This product satisfies the demand for a low ohmic shunt resistor to act as a current sensor. We can offer sizes and tighter tolerances as "specials" where demand justifies.

A ±1% is offered between the resistance values 200 milli ohms and 10 ohms.

Packaging:

4000 Pieces (7" Reel)

5000 Pieces (7" Reel)

10000 Pieces (13" Reel)

Please Request Full Data
Sheet F0744