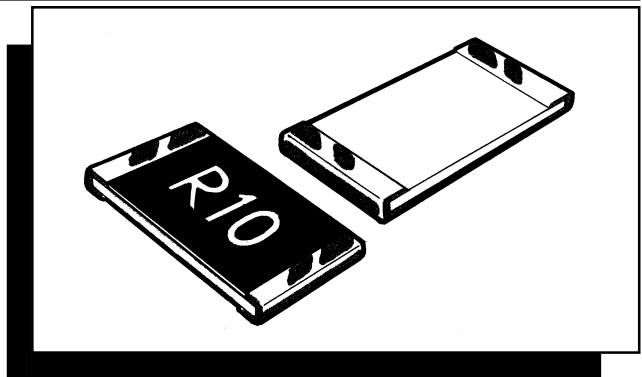


MEGGITT CGS

HIGH VOLTAGE RESISTORS
HIGH VALUE RESISTORS
HIGH POWER RESISTORS
ALUMINIUM CLAD RESISTORS
CURRENT SENSE RESISTORS

SMD Low Ohmic - Current Sense Resistors

TYPE RL73 SERIES



Meggitt CGS are pleased to offer this unique High Power, thick film chip resistor for current sensing positions. It has a special metal glaze resistive element and a nickel barrier layer underneath the solder to prolong terminal life.

Following the developments by semiconductor manufacturers in the production of a range of IC's for battery charge management and low voltage power supplies, the RL73 Series satisfies the demand for a low ohmic shunt resistor to act as a current sensor. We can offer smaller sizes and tighter tolerances as "specials" where the demand justifies this.

MEGGITT CGS KEY FEATURES

- UP TO 1 WATT AT 70°C
- VALUES DOWN TO R10
- 5 CHIP SIZES
- IDEAL FOR CURRENT DETECTION
- VALUE MARKED ON RESISTOR
- ATTRACTIVELY PRICED
- LAB KITS AVAILABLE ON REQUEST
- SIZES 25:12 (STANDARD) TO 06:03 (SPECIAL)
- 25:12 SIZE STOCKED AT RS COMPONENTS

SPECIFICATION

TYPE RL73 SERIES

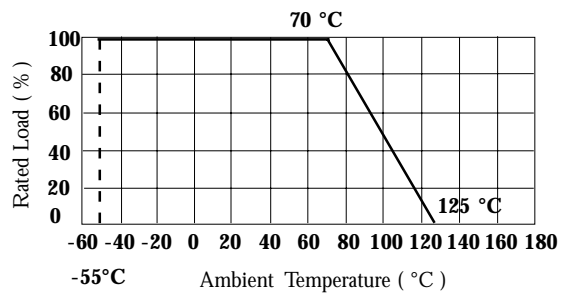
TYPE	T.C.R.	POWER RATING @ 70°C	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	RESISTANCE RANGE		TAPING & QTY PER 7" REEL	
					* F(±1%) E96, E24	G(±2%) J(±5%) E24	TD	TE
RL73H2A	± 100	0.125 W	1.11 V	2.79 V	R 20 - 10R	—	5000	—
RL73K2A	± 200				—	R 10 - 10R		
RL73H2B	± 100	0.25 W	1.58 V	3.95 V	R 20 - 10R	—	5000	—
RL73K2B	± 200				—	R 10 - 10R		
RL73H2E	± 100	0.5 W	2.23 V	5.59 V	R 20 - 10R	—	5000	—
RL73K2E	± 200				—	R 10 - 10R		
RL73H2H	± 100	0.75 W	2.73 V	6.84 V	R 20 - 10R	—	—	4000
RL73K2H	± 200				—	R 10 - 10R		
RL73H3A	± 100	1.0 W	3.16 V	7.90 V	R 20 - 10R	—	—	4000
*RL73K3A	± 200				—	R 10 - 10R		

POWER DERATING CURVE

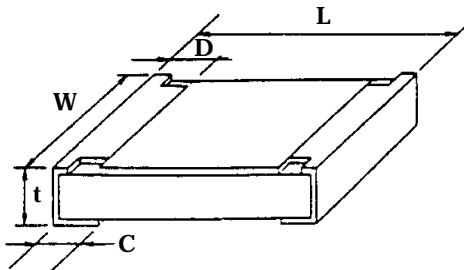
For resistors operated in ambient temperatures above 70°C, power rating must be derated in accordance with this curve.

*RECOMMENDED CIRCUIT BOARD DESIGN

If this device is expected 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

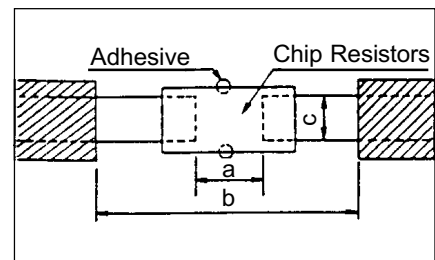


Part No.	DIMENSIONS				
	L ± 0.2	W	C	D ± 0.1	t ± 0.1
RL73K 2A	2.0	1.25±0.1	0.4±0.2	0.3	0.5
RL73K 2B	3.2	1.6±0.2			
RL73K 2E	5.0	2.6±0.2	0.5±0.3	0.4	0.6
RL73K 2H	5.0	2.5±0.2			
RL73K 3A	6.3	3.1±0.2			

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.



HOW TO ORDER

RL73K	3A	R10	J	TE
COMMON PART	RATED POWER	RESISTOR VALUE	TOLERANCE	PACKAGING
RL73K - Standard RL73H - 100ppm/°C	See Above E.g. 3A - 1W	0.1 ohm (100 mille ohm) R10 1 ohm (1000 mille ohm) 1R0 10 ohm (10000 milli ohm) 10R	J ± 5% G ± 2% *F ± 1% *See Above Table	TG - Cut Tape Lengths TDF - 1000 (paper) TDG - 2000 (paper) TE - 4000 (plastic) TD - 5000 (paper)



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