# Low Ohmic Resistor SMD

## for current sense - thick film

# **Meggitt CGS**

# **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 •



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

Rated AmbientTemperature +70°C

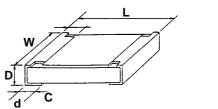
#### **Temperature Coeffificent of Resistance**

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**



**How to Order** 

Dimensions (mm)						
± 0.2	$C \pm 0.3$	D ± 0.1	$d_{-0.1}^{+0.2}$	_		
25	0.4	0.5	0.3	w//		
.6	0.5	0.6	0.4			
.6	0.5	0.6	0.4	D		
.5	0.5	0.6	0.4	<u> </u>		
.1	0.5	0.6	0.4	d C		

Type	Dimensions (mm)					
	$L \pm 0.2$	$W \pm 0.2$	$C \pm 0.3$	D ± 0.1	<b>d</b> +0.	
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	
	-					

RL73	K	2A	1R0	G	TD
Common Part	T.C.R.	Chip Size	Resistance Value	Tolerance	Pack Style
RL73	H - 100ppm (± 1% Tol) K - 200ppm (±2%/5% Tol)	00ppm 2A - 08:05   % Tol) 2B - 12:06   00ppm 2E - 12:10   /5% Tol) 2H - 20:10   3A - 25:12 3A - 25:12	0.1 ohm (100 milli ohms) R10 1.0 ohm (1000 milli ohms) 1R0	I - + 5%	TG - Cut Tape Lengths TE - 4000 Reel TD - 5000 Reel TP - 10000 Reel

### **SMD Resistors**

### type RL73 series

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.  $A \pm 1\%$  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



