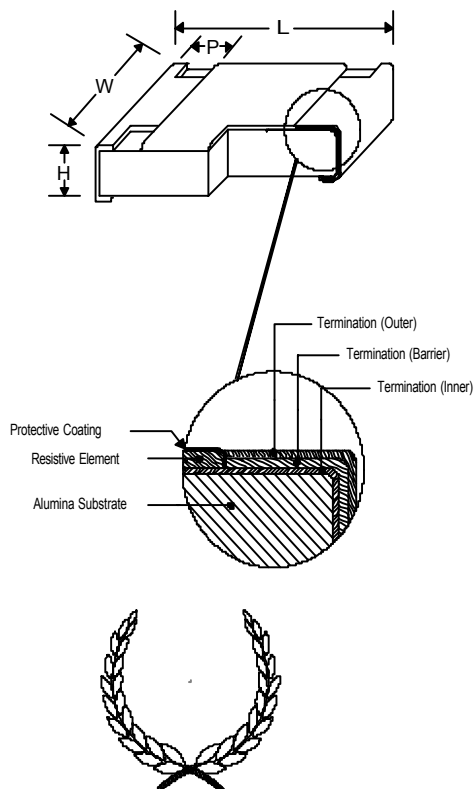


PRODUCT BULLETIN



LRC-SERIES Fractional Ohm

- METAL FILM
- STANDARD INDUSTRY CASE SIZES
0805 1206 2010 2512
- POWER RATINGS .25W, .50W, .75W & 1.0W
- TCR ± 75 , ± 100 & ± 200 PPM/ $^{\circ}$ C
- TOLERANCE 1%
- LOW INDUCTANCE
- WRAP AROUND TERMINATION
- TERMINATION BARRIER FOR INNER ELECTRODE PROTECTION
- STABLE CURRENT DETECTING RESISTOR



DEDICATION TO EXCELLENCE

WILLOW TECHNOLOGIES LTD.

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Website <http://www.willow.co.uk>

Specifications

Dimension

INCHES
MILLIMETERS

TYPE	L	W	H	P
LRC1220L (0805)	0.079 $\pm$ 0.006 (2.00 $\pm$ 0.15)	0.049 $\pm$ 0.006 (1.25 $\pm$ 0.15)	0.020 $\pm$ 0.006 (0.50 $\pm$ 0.15)	0.016 $\pm$ 0.010 (0.40 $\pm$ 0.25)
LRC1632L (1206)	0.126 $\pm$ 0.006 (3.20 $\pm$ 0.15)	0.063 $\pm$ 0.006 (1.60 $\pm$ 0.15)	0.024 $\pm$ 0.006 (0.60 $\pm$ 0.15)	0.020 $\pm$ 0.010 (0.50 $\pm$ 0.25)
LRC2550L (2010)	0.200 $\pm$ 0.006 (5.10 $\pm$ 0.15)	0.098 $\pm$ 0.006 (2.50 $\pm$ 0.15)	0.024 $\pm$ 0.006 (0.50 $\pm$ 0.15)	0.024 $\pm$ 0.010 (0.60 $\pm$ 0.25)
LRC3264L (2512)	0.250 $\pm$ 0.006 (6.30 $\pm$ 0.15)	0.126 $\pm$ 0.006 (3.20 $\pm$ 0.15)	0.024 $\pm$ 0.006 (0.50 $\pm$ 0.15)	0.024 $\pm$ 0.010 (0.60 $\pm$ 0.25)

Operating Temperature Range is -55° C to $+125^{\circ}$ C

Resistance Tolerance $\pm 1\%$

Resistance Range

0.025 .049
0.05 .099
0.1 1.0

Temperature Coefficient

± 200 PPM/ $^{\circ}$ C
 ± 100 PPM/ $^{\circ}$ C
 ± 75 PPM/ $^{\circ}$ C

In addition the 0805 part is available from 0.01 .99 @ ± 200 PPM/ $^{\circ}$ C

Power Ratings

Case Size	Wattage
0805	.25W @ 70° C
1206	.50W @ 70° C
2010	.75W @ 70° C
2512	1.0W @ 70° C

Available Values

All E6 values plus the following

0805	1206	2512
2.0	2.0	1.2
2.5	2.4	1.6
5.0	2.5	2.0
	2.7	2.5
	3.9	4.0
	5.0	5.0
	5.6	6.5
	7.5	
	8.2	

How to Order

Sample Part Number

LRC1632L TC100 0.1R $\pm 1\%$

Resistance Tolerance
Resistance Value
Temperature Coefficient
Type

Performance Data

LOAD LIFE	ΔR $\pm(0.5\% + .0005\Omega)$
HUMIDITY	ΔR $\pm(0.5\% + .0005\Omega)$
TEMPERATURE CYCLE	ΔR $\pm(0.5\% + .0005\Omega)$
SHORT TIME OVERLOAD	ΔR $\pm(0.5\% + .0005\Omega)$
EFFECTS OF SOLDER HEAT	ΔR $\pm(0.5\% + .0005\Omega)$

Operating Temperature Range is -55°C to +125°C

Derating Curve

For resistors operated in ambient above 70°C, power dissipation must be derated in accordance with the curve in Fig. 1.

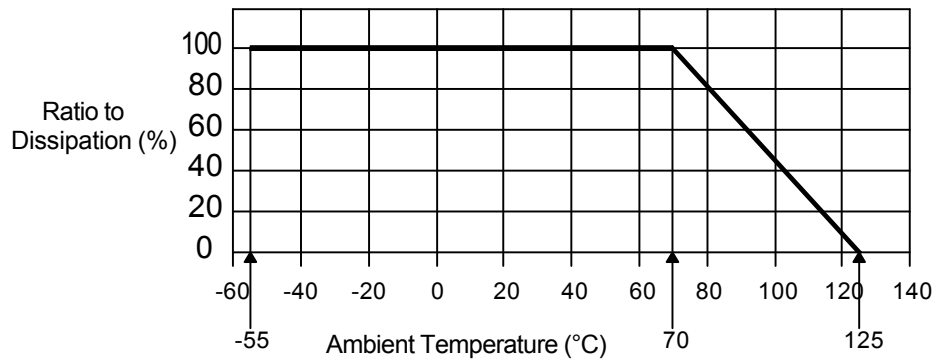


Figure 1