

L RCS / LVC Series

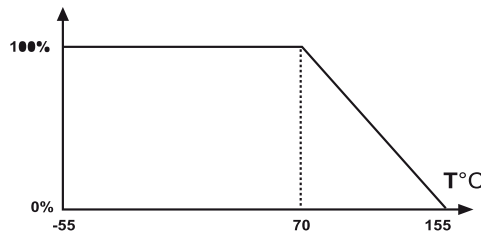
**Marking**

The LRCS0402 is not marked, the LRCS0603 is marked with 3 digits and LRCS0805 with 4 digits.  
e.g. 100mΩ is marked as R10 (3digit) and R100 (4digit) and 35mΩ is marked as 035 (3digit) or R035 (4digit)

**Performance Data**

	ΔR%	Maximum
Load at rated power (1000hrs cyclic load at 70°C)	ΔR%	±1% + 0.05Ω
De-rating from rated power at 70°C		See Graph
Short term overload (6.25 x rated power for 5s)	ΔR%	±0.5% + 0.05Ω ±1% + 0.05Ω(0.25W LRCS0805 rating)
Dry heat (96Hrs, no load, +155°C)	ΔR%	±0.5% + 0.05Ω
Temperature rapid change (-55 / +150°C, 100 cycles)	ΔR%	±0.5% + 0.05Ω
Damp heat steady state	ΔR%	±0.5% + 0.05Ω
Resistance to solder heat (260°C for 10s)	ΔR%	±0.5% + 0.05Ω
Low Temperature Operation	ΔR%	±0.5% + 0.05Ω
Insulation Resistance (100V, 60s)		>1000MΩ

**Power de-rating graph**



**Packaging**

The standard packing for LRCS parts is on 8mm wide paper tape wound on 178mm diameter reels.

**Ordering Procedure**

This product has two valid part numbers:

**European (Welwyn) Part Number: LRCS0603-R027FT5** (0603, 27 milliohms ±1%, Pb-free)

L	R	C	S	0	6	0	3	-	R	0	2	7	F	T	5
1		2		3			4	5							

1	2	3	4	5		
Type	Size	Value	Tolerance	Packing		
LRCS	0402	E24 = 3/4 characters	F = ±1%	Tape & reel		
	0603	R = ohms	J = ±5%	T10	0402	10,000/reel
	0805			T5	0603, 0805	5000/reel

**USA (IRC) Part Number: LVC-LVC0603LF-R027-F** (0603, 27 milliohms ±1%, Pb-free)

L	V	C	-	L	V	C	0	6	0	3	L	F	-	R	0	2	7	-	F
1		2		3			4		5			6							

1	2	3	4	5	6	Packing	
Family	Model	Size	Termination	Value	Tolerance		
LVC	LVC	0402	LF = Pb-free	E24 = 3/4 characters	F = ±1%	Tape & reel	
		0603		R = ohms	J = ±5%	0402	10,000/reel
		0805				0603, 0805	5000/reel

**General Note**

TT Electronics reserves the right to make changes in product specification without notice or liability.  
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

# Mouser Electronics

Authorized Distributor

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