

Miniature Resistors axial leaded

Type: RKL

Sizes: RKL 2, RKL 5

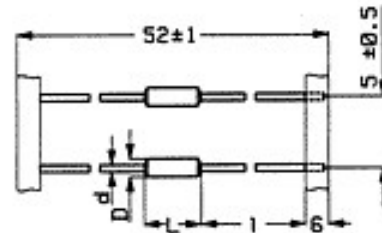
Features:

- Carbonfilm Resistors without metal caps
- Wire leads soldered in with high-temperature solder
- RKL 2: Smallest axial leaded resistor in the world
- Main application: in Hearing Aids

Dimensions:

Size	D	L	d	l
RKL 2	0.8 ^{+0.05}	2.2 ^{+0.4}	0.20 ^{+0.02}	12 ^{+1.0}
RKL 5	1.1 ^{+0.1}	3.3 ^{+0.3}	0.30 ^{+0.02}	18 ^{+2.0}

D = Diameter, L = Length, d = Wire diameter, l = Length of wire leads (in mm)



Packaging:

RKL 2: Bulk in plastik tubes (100 pieces)

RKL 5: taped (see drawing)

Minimum quantity: 100 pieces per value

Ordering data:

Type/Size – Value – Tolerance

Example: RKL 2 100k ±10 %

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Technical data – depending on size:

Size	RKL 2	RKL 5
Power rating: P_{70} (mW) P_{40} (mW) ($P_{125} = 0$ mW)	35 50	70 100
Working voltage U_w , U_{eff} (V)	60	100
Dielectric strength (V)	350	500
Thermal resistance R_{th} (K/W)	1600	800
Tensile strength of wire leads: $\leq 510k$ $> 510k$	$> 5N$ $> 5N$	$> 15N$ $> 10N$
Ranges/Tolerances: $\pm 5\%/E24$ $\pm 10\%/E12$ $\pm 20\%/E6$	24R/200k 10R/10M 10R/22M	20R/510k 10R/22M 10R/47M
Temperature coefficient ($\times 10^{-5}/K$): <1k <10k <100k <1M <10M (Diagrams available)	<300 <500 <1000 <2500 <5000	<250 <350 <700 <1500 <3500

Technical data – general:

Temperature range	-55°C ... +125°C	
Climatic category acc. to IEC 68	55/125/56	
Marking of values	Colour code acc. to IEC 62	
Long term stability:	$\leq 510k$	$> 510k$
Storage 125°C/1000h	< 2 %	< 4 %
Load P_{70} /70°C/1000h	< 1 %	< 2 %
Damp heat (56d/40°C/96 %)	< 1 %	< 2 %



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