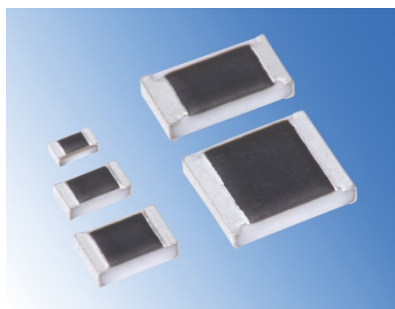


Metal Film Flat Chip Resistors

High Reliability



RN73R Series



With a T.C.R. down to ± 5 ppm and a tolerance as low as ± 0.05 % the new RN73R series from KOA is ideal for high precision circuits in various industrial and measuring applications.

These new resistors provide improved electrolytic corrosion resistance and higher stability compared to KOA's existing RN73 series.

The RN73R also has higher ambient temperature rating of $+85$ °C, as well as improved moisture tolerance of ± 0.25 % at 85 % RH for 1000 hours at $+85$ °C.

Features

- ± 5 to ± 100 ppm/K
- ± 0.05 to ± 1 %
- 0402 to 1210 inch
- ± 0.1 % ~ long term stability
- High humidity protective coating
- Rated power at $+85$ °C
- AEC-Q200 qualified, EU-RoHS compliant

Application Examples

- High precision control circuits
- Industrial devices
- Measuring equipment
- Audio circuits
- Gain adjustment of OP amp. circuits
- Dividers for power supply volt. monitoring
- Precision voltage divider circuits

* For highest precision and stability, please also refer to our RN73H series

Ratings

Type	Power Rating	Rated Ambient Temp.	Rated Terminal Part Temp.	T.C.R. ($\times 10^{-6}/K$)	Resistance Range (Ω) E24 · E96 · E192					Max. Working Voltage	Max. Overload Voltage
					A: $\pm 0.05\%$	B: $\pm 0.1\%$	C: $\pm 0.25\%$	D: $\pm 0.5\%$	F: $\pm 1\%$		
0402 1E	0.063W	85°C	90°C	± 10	—	47~10k	47~10k	47~10k	47~10k	50V	100V
				± 25	—	47~300k	47~300k	10~300k	10~300k		
				± 50	—	47~300k	47~300k	10~300k	10~300k		
0603 1J	0.1W	85°C	95°C	± 5	100~59k	100~59k	—	—	—	75V	150V
				± 10	47~59k	47~59k	47~59k	47~59k	47~59k		
				± 25	47~59k	15~1M	15~1M	10~1M	10~1M		
				± 50	—	15~1M	15~1M	10~1M	10~1M		
0805 2A	0.125W	85°C	100°C	± 100	—	—	—	10~1M	10~1M	150V	300V
				± 5	100~100k	100~100k	—	—	—		
				± 10	47~100k	47~100k	47~100k	47~100k	47~100k		
				± 25	47~100k	15~1.5M	15~1.5M	10~1.5M	10~1.5M		
				± 50	—	15~1.5M	15~1.5M	10~1.5M	10~1.5M		
1206 2B	0.25W	85°C	110°C	± 100	—	—	—	10~1.5M	10~1.5M	200V	400V
				± 5	100~300k	100~300k	—	—	—		
				± 10	47~300k	47~300k	47~300k	47~300k	47~300k		
				± 25	47~300k	15~1M	15~1M	10~1M	10~1M		
				± 50	—	15~1M	15~1M	10~1M	10~1M		
1210 2E	0.25W	85°C	110°C	± 100	—	—	—	10~1M	10~1M	200V	400V
				± 10	100~510k	100~510k	100~510k	100~510k	100~510k		
				± 25	51~510k	15~1M	15~1M	10~1M	10~1M		
				± 50	—	15~1M	15~1M	10~1M	10~1M		
				± 100	—	—	—	10~1M	10~1M		

Operating Temperature Range: -55 °C ... $+155$ °C

Datasheet



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