End of Life- Last time to buy: 3/31/2027

RK92D

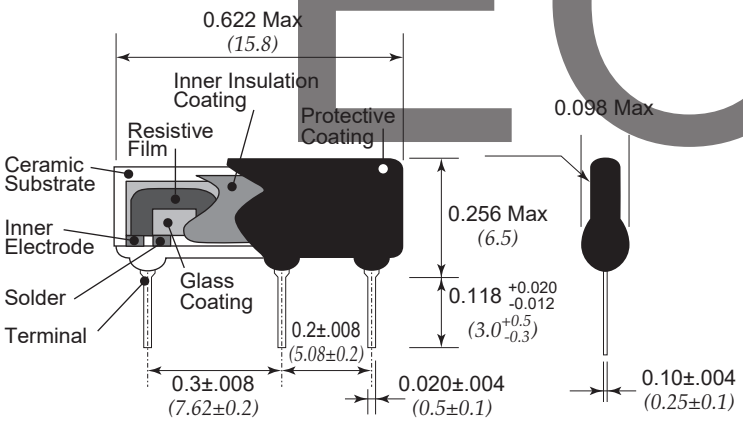
thick film resistors for high voltage (high-precision high voltage divider)

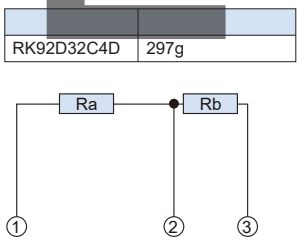
EU RoHS COMPLIANT

features

- High-precision high voltage divider for high voltage circuits
- Thin SIP shape
- The flame retardant coats corresponding to UL94V-0 are used
- Higher relative accuracy of resistance value is possible with one package
- Thick film resistors (RuO_2) ensure high stabilities in life and change in aging
- Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.

dimensions and construction





ordering information

	RK92	D	3	2	C	4		D	754/622	F
	Product Code	Type	Terminal Pitch 1	Terminal Pitch 2	Height Symbol	Voltage Symbol	Manufacturing Serial Number (Internal circuit is indicated by A00)	Terminal Symbol	Resistance Symbol	Resistance Tolerance
	RK92 (Standard)	D	3	2	C	4	Nil	D	(R1+R2)/R2	F
Ex.*	RK92 (Custom)	D	8	2	C	Nil	A00	D	Nil	Nil

* Please contact factory for the outline method and circuit diagram of custom products.

1/07/25

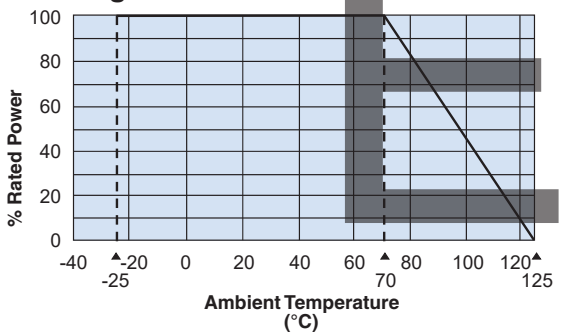
applications and ratings

Part Designation	Max. Working Voltage Symbol	Nominal Resist.	Power Rating R1	Power Rating R2	Resistance (Ω) R1 E24	Resistance (Ω) R2	Resist. Tolerance (R1)	Relative Resist. Ratio R1/R2	Relative Resist. Ratio Tolerance	T.C.R. (×10⁻⁶/K) Absolute	T.C.R. (×10⁻⁶/K) Relative	Max. Working Voltage	Rated Ambient Temp.	Operating Temp. Range
32C	4	754/622	0.5W	0.2W	750k	6.25k	F: ±1%	120	±0.2%	±100	±50	4kV	+70°C	-40°C to +125°C
		205/103			2M	10k		200						
		136/263			13M	26k		500						
		336/333			33M	33k		1000						

Please contact factory for other values that are not listed above.

environmental applications

Derating Curve



For resistors operated at an ambient temperature of 70°C or above, a power rating shall be derated in accordance with the above derating curve.

Performance Characteristics

Parameter	Requirement Δ R ±(% + 0.05Ω) Limit	Typical	Test Method
Resistance	Within specified tolerance	—	25°C
T.C.R.	Within specified T.C.R.	—	+25°C/+125°C
Resistance to Solder Heat	±0.5%	±0.2%	260°C ± 5°C, 10 seconds ± 1 second
Rapid Change of Temperature	±0.5%	±0.2%	-40°C (30 minutes)/ +125°C (30 minutes) 5 cycles
Moisture Resistance	±2%	±1%	40°C ± 2°C, 90 - 95% RH, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
Endurance	±2%	±1%	70°C ± 2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle