High Voltage Network Dividers

Token (NTK) High Voltage Network Dividers can be customised to order

Preview

RoHS-compliant resistor network, high-value high-voltage resistors and potential dividers in a wide variety of configurations are now available from Token Electronics as custom versions of its standard ranges of resistive products.

This advanced film resistor technology provides the performance characteristics required by the precision input signal circuits of both bench-type and laboratory digital instruments. In addition to requiring less board space, these compact voltage network dividers deliver higher performance than selected discrete resistor sets and thin-film dividers.

Manufactured using advance thick-film technology from existing tooling ensures fast turnaround of samples prior to low to medium volume in-house production. These custom dividers are ideal for high performance voltage division applications in medical equipment, laboratory equipment, analytical instruments, etc. The custom high voltage network divider can be supplied in various packages and packaging materials including glass, epoxy resin, silicon options.

By applying this technology to the low-profile, single-in-line package configuration, the Type (NTK) Custom SIP Resistor Networks are available with a combination of features. which include: Low TCR 250 ppm/°C (100 ppm/°C or tighter upon request), operating temperature range -55°C ~ +125°C (higher temperature upon request), flat style, non-inductive, low noise, and also custom divider design.

For complete information on quantity price and delivery, contact our Sales Office.

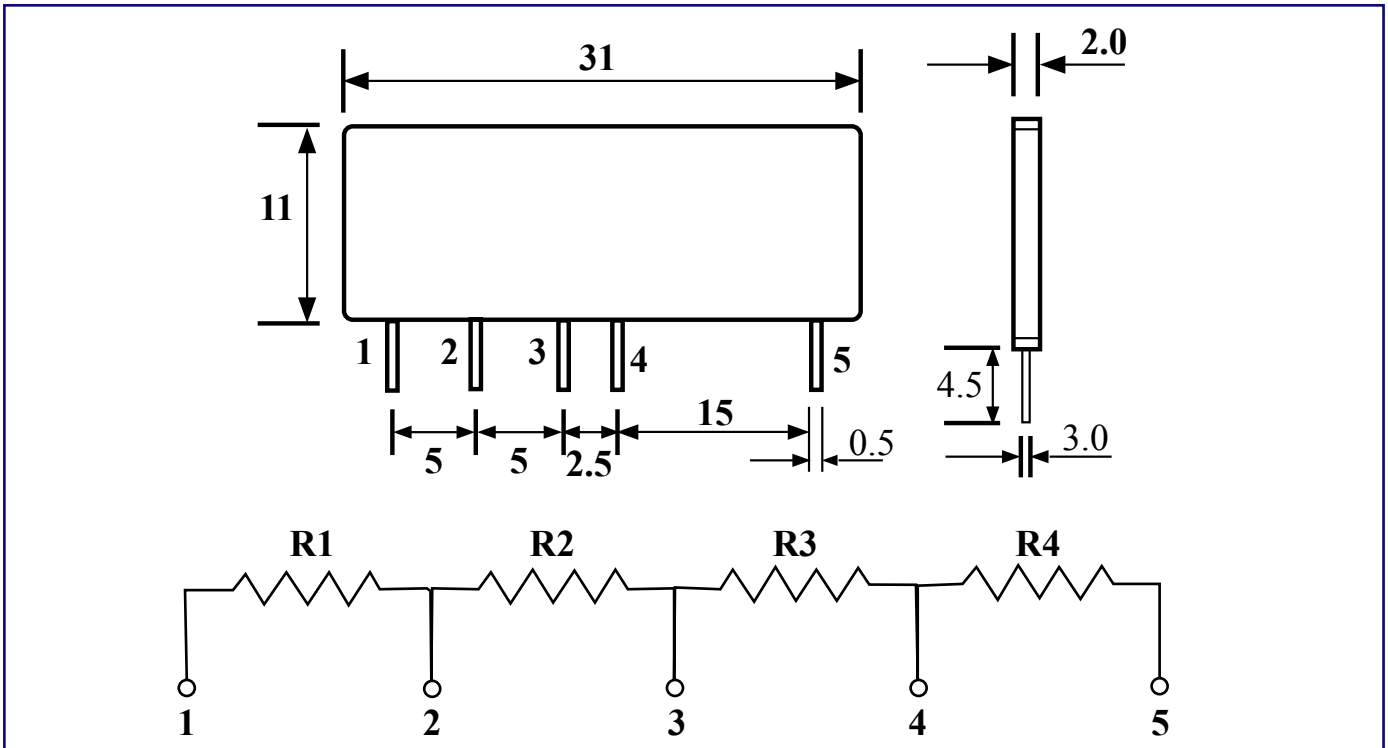
Specifications

- Low TCR Available: 250 ppm/°C. (ppm/°C or tighter upon request).
- Temperature Range: -55°C ~ +125°C (higher temp. upon request).
- Low VCR: 1ppm / 5ppm / 10ppm upon request.
- High Voltage Withstanding: Up to 30 ~ 50KV.
- Thick film on Aluminum > 96% Al2O3.
- Resistance Tolerance: ±1% ~ ±30%.
- Resistance Range: 1KΩ ~ 10GΩ.

Features

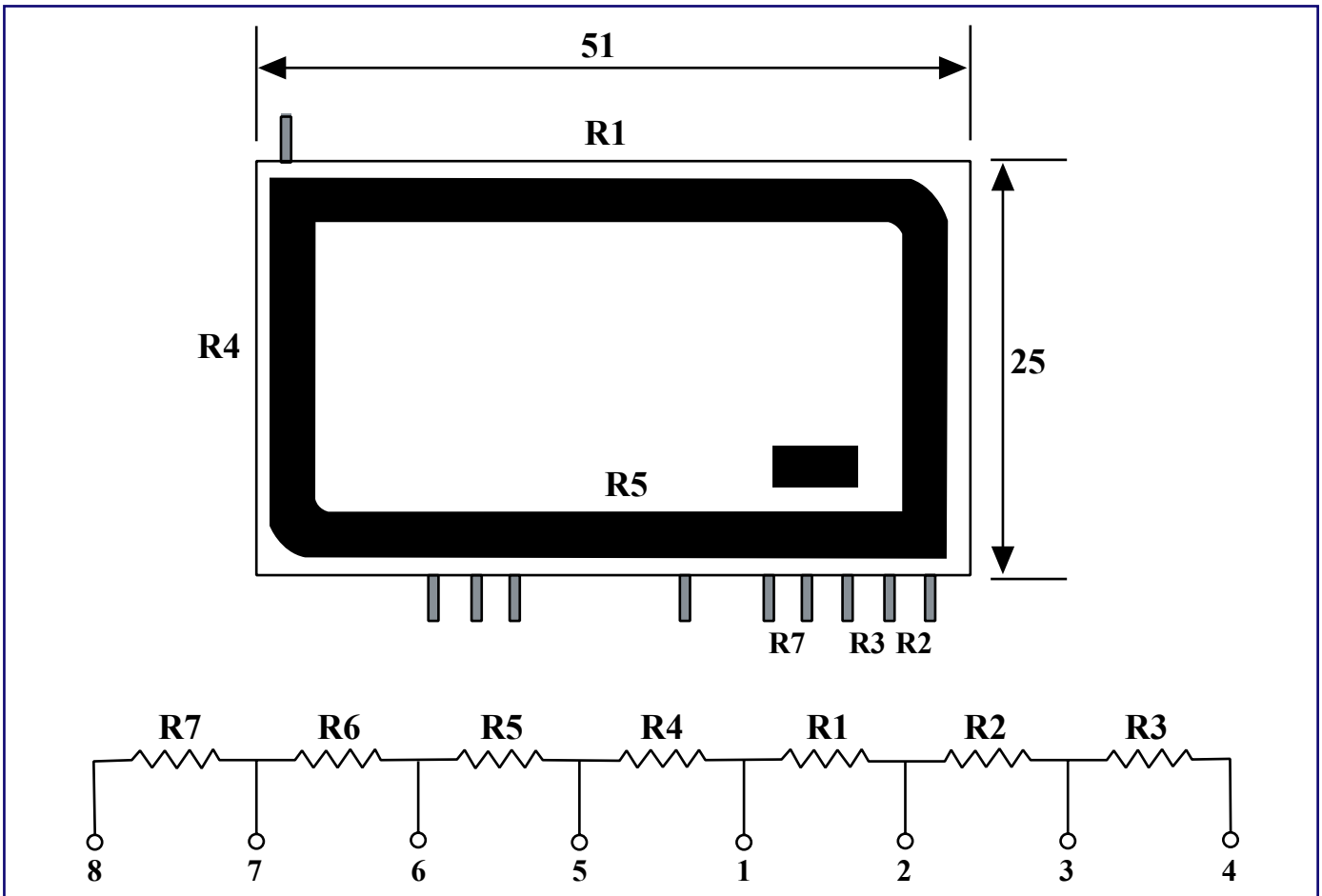
- Flat style, Low Resistor Noise.
- Non Inductive Design.
- Divider Design upon Request.
- Pb-free Production: Meet RoHS.
- Different Coating Available: Glass / Epoxy resin / Silicon.
- Solderable Leads (Tin coated copper leads): Type Φ0.5 (Φ0.6 / Φ0.8 upon request).

(NTK-A) Electrical Parameters



Type	PIN	Resistance Value (Ω)		Resistance Tolerance	Pressure parameters	Rated Power (W)
NTK-A	1 ~ 2	R1	30M	K (±10%)	4KV Min.	0.6W Min.
	2 ~ 3	R2	30M	K (±10%)	4KV Min.	0.6W Min.
	3 ~ 4	R3	1M	J (±5%)	500V Min.	0.3W Min.
	4 ~ 5	R4	800M	K (±10%)	10KV Min.	1W Min.

(NTK-B) Electrical Parameters



Type	Serial Num-ber	Resistance Value (Ω)	Rated Power	Resistance Tolerance	Temperature Coef-ficient	Operating Voltage
NTK-B	R1	52M	52	±5%	±250PPM/°C	8500V
	R2	10K	-			-
	R3	10K	-			-
	R4	16M2	4W			4200V
	R5	17M3	3W			4400V
	R6	3M3	1W			800V
	R7	8K	-			-

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