



CN1J4KTTD153J KOA SPEER ELECTRONICS

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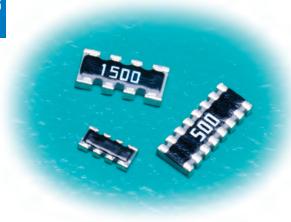
Centennial, CO 80112

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convex termination with square corners resistor array

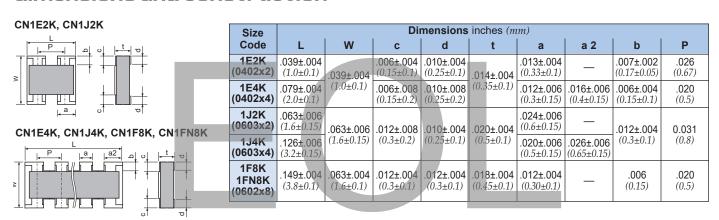


features

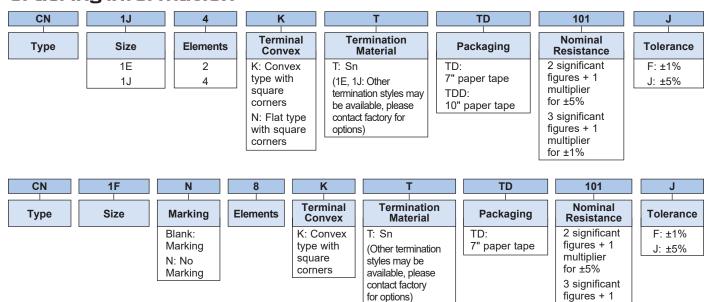


- Manufactured to type RK73 standards
- Less board space than individual chips
- Isolated resistor elements
- Convex terminations with square corners (CN K)
- Flat termination with square corners (CN N)
- Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.
- AEC-Q200 Qualified: CN1E4K and CN1J4K only

dimensions and construction



ordering information



For further information on packaging, please refer to Appendix A.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

multiplier for ±1%





convex termination with square corners resistor array

applications and ratings

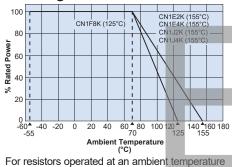
Part	Power Rating @ 70°C (Per Element)	Ambient	Rated Terminal Temp.	Resistance Range E-24, E-96 E-24 (F±1%) (J±5%)		T.C.R. (ppm/°C) Max. (F±1%) (J±5%)		Absolute Maximum Working Voltage	Maximum Overload Voltage (5 Secs. Max.)	Operating Temp Range
CN1E2K	1/16W (.063W)	+70°C	+125°C	10Ω - 100kΩ	10Ω - 1ΜΩ	000 5: 100	±200:R>10Ω ±400:R<10Ω			-55°C to +155°C
CN1E4K						±200:R≥10Ω		25V	50V	
CN1J2K						±100:R≥10Ω		J0 V	100V	
CN1J4K					1Ω - 1ΜΩ					
CN1F8K	1/16W (.063W) 0.25W per package			10Ω - 100kΩ	10Ω - 1ΜΩ	±200:R≥10Ω		25V	50V	-55°C to
CN1FN8K										+125°C

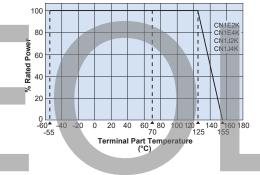
Note that network resistors generate higher heat rather than single flat chip resistor under rated power output

If any questions should arise whether to use the "Rated Ambient Temperature" or the "Rated Terminal Part Temperature," please give priority to the "Rated Terminal Part Temperature." Prior to use and for more details refer to "Introduction of the derating curves on the terminal part temperature" in the beginning of the catalog.

environmental applications

Derating Curve



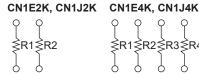


For resistors operated at a terminal part temperature of described for each size or above, a power rating shall be derated in accordance with the derating curve.

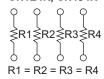
Please refer to "Introduction of the derating curve based on the terminal part temperature" in the beginning of our catalog before use.

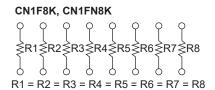
of 70°C or above, a power rating shall be derated in accordance with the above derating curve.

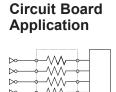
circuit schematic

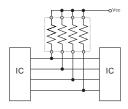


R1 = R2









Performance Characteristics

	Requirement 2	Δ R ±(%+0.1Ω)				
Parameter	Limit	Typical	Test Method			
Resistance	Within regulated tolerance	_	25°C			
T.C.R.	Within specified T.C.R.	_	+25°C/-55°C, +25°C/+125°C			
Overload (Short time)	±2.0% ±0.25%		Rated voltage x 2.5 for 5 seconds			
Resistance to Solder Heat	±1.0% ±0.75%		260°C ± 5°C, 10 seconds ± 1 second			
Rapid Change of Temperature	±1.0%	±0.5%	-55°C (30 minutes), +125°C (30 minutes), 5 cycles			
Moisture Resistance	±5.0%	±1.0%	40°C ± 2°C, 90 - 95% RH, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle			
Endurance at 70°C	±5.0% ±0.5%		70°C ± 2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle			
High Temperature Exposure	±1.0% ±0.15%: CN1F8k +0.25: All others		+125°C, 1000 hours: CN1F8K +155°C, 1000 hours: CN1E2K, CN1E4K, CN1J2K, CN1J4K			

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12/01/17