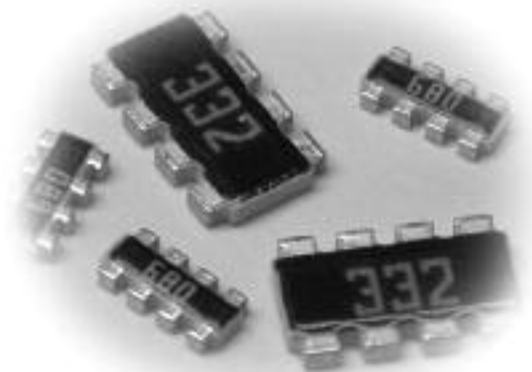


## convex termination with scalloped corners resistor array

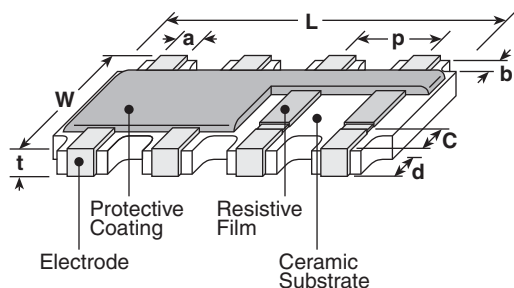


### features

- Manufactured to type RK73 standards
- Less board space than individual chips
- Isolated resistor elements
- Convex terminations with scalloped corners
- Marking: Marked with resistance value
- 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



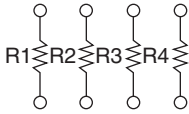
Size Code	Dimensions inches (mm)							
	L	W	C	d	t	a	b	p (ref.)
1J4A	.126±.006 (3.2±0.15)	.063±.006 (1.6±0.15)	.012±.008 (0.3±0.2)	.010±.004 (0.25±0.1)	.020±.004 (0.5±0.1)	.020±.006 (0.5±0.15)	.012±.004 (0.3±0.1)	.031 (0.8)
2B4A	0.2±.008 (5.1±0.2)	.122±.008 (3.1±0.2)	.020±.008 (0.5±0.2)	.014±.006 (0.35±0.15)	.022±.004 (0.55±0.1)	.031±.008 (0.8±0.2)	.018±.004 (0.45±0.1)	.050 (1.27)

### ordering information

New Part #	CN	1J	4	A	T	TD	101	J
Type				Terminal Convex	Termination Material	Packaging	Nominal Resistance	Tolerance
		1J 2B	Elements		T: Sn (Other termination styles maybe available, please contact factory for options)	TE: 7" embossed plastic TD: 7" paper tape TED: 10" embossed plastic TDD: 10" paper tape	2 significant figures + 1 multiplier for ±2% & ±5% 3 significant figures + 1 multiplier for ±1%	F: ±1% J: ±5%

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

### circuit schematic

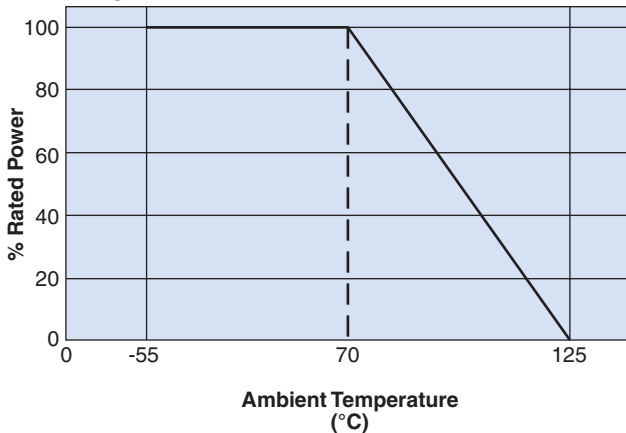


### applications and ratings

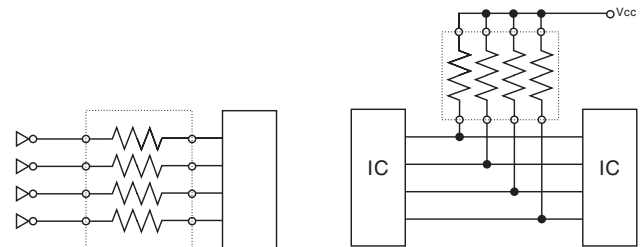
Part Designation	Power Rating @ 70°C (Per Element)	T.C.R. (ppm/°C) Max.	Resistance Range E-96 (F±1%)	Resistance Range E-24 (J±5%)	Absolute Maximum Working Voltage	Absolute Maximum Overload Voltage	Operating Temperature Range
CN1J4A	1/16W (.063W)	±200:R≥10Ω	10 - 100kΩ	1Ω - 1MΩ	50V	100V	-55°C to +125°C
CN2B4A	1/8W (.125W)	±400:R<10Ω	—	10Ω - 1MΩ	200V	400V	

### environmental applications

#### Derating Curve



#### Circuit Board Application



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 $\Delta R$ ±%		Test Method
	Limit	Typical	
Resistance	Within specified tolerance	—	25°C
T.C.R.	Within specified T.C.R.	—	+25°C/-55°C, +25°C/+125°C
Overload (Short time)	±2.0%	±0.5%	Rated voltage x 2.5 for 5 seconds
Resistance to Solder Heat	±1.0%	±0.2%	260°C ± 5°C, 10 seconds ± 1 second
Rapid Change of Temperature	±1.0%	±0.1%	-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%	±0.2%	+125°C, 100 hours