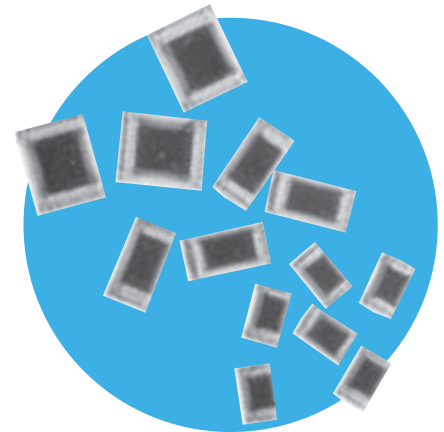



## Trimmable Surface Mount Resistors



### CRT Series

- 40% adjustment available
- Wrap around terminations
- Inner electrode protection

 All parts are Pb-free and comply with EU Directive 2011/65/EU (RoHS2)

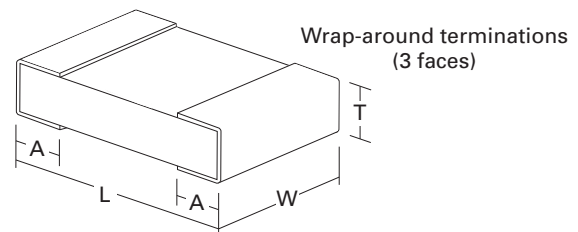
### Electrical Data

Commercial		CRT0805	CRT1206
Power rating at 70°C	watts	0.1	0.125
Resistance range	ohms	10R to 1M	10R to 1M
Limiting element voltage	volts	100	200
TCR -55 to 125°C	ppm/°C	250	
*Resistance tolerance at 20°C	%	± 20	
Standard values		E24	
Ambient temperature range	°C	-55 to 125	

\*Tolerance +0-30% is available.

### Physical Data

Dimensions (mm) & Weight (g)				
Type	L	W	A	T
CRT0805	+0.2	+0.2	0.4±0.2	+0.15
	2.0	1.25		0.50
	-0.1	-0.1		-0.05
CRT1206	+0.1	+0.1	0.5±0.2	-0.15
	3.2	1.6		0.55
	-0.15	-0.15		-0.05



### Construction

The chips have a high alumina substrate (96% minimum) with ruthenium oxide resistance element and silver based terminations, plated with nickel and tin. A protective coating is applied to the resistive element.

### Terminations

**Solderability** The terminations meet the requirements of IEC 115-1, Clause 4.17.3.2.

### Marking

All relevant information recorded on the reel.

### Solvent Resistance

The chips are resistant to all normal industrial cleaning fluids suitable for printed circuits.

### General Note

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**CRT Series**

## Performance Data

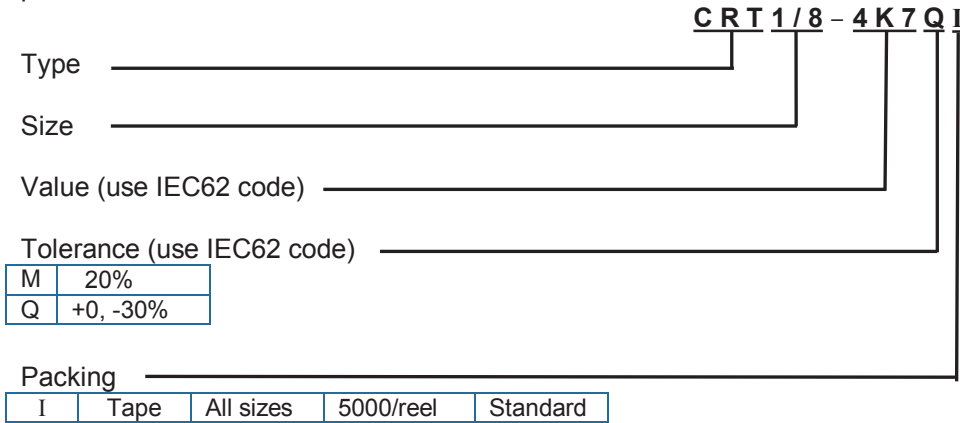
		Maximum	Typical
Load at rated power: 1000 hours at 70°C	ΔR%	3	0.4
Derate linearly to zero from 70°C		Zero at 125°C	
Short term overload (6.25 x rated power)	ΔR%	2.5	0.4
Long term damp heat	ΔR%	3	0.5
Temperature rapid change	ΔR%	1	0.1
Resistance to solder heat	ΔR%	2.5	0.2

### Packaging

Parts supplied Tape and Reel 5000 pieces per 7" reel as per IEC 286-3.

## Ordering Procedure

Example: CRT1/8 (1206) at 4.7 kilohms maximum with +0 / -30% tolerance on a reel of 5000 pieces -



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