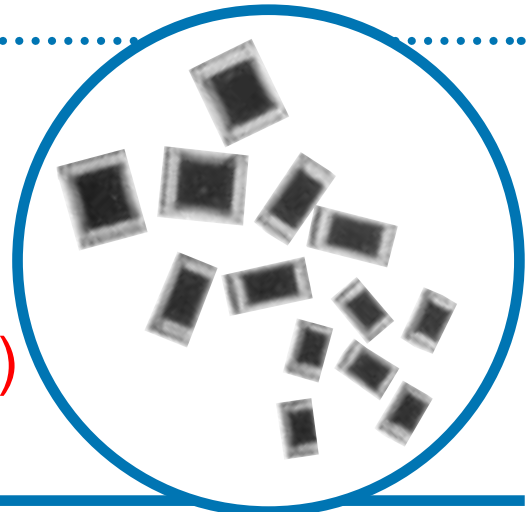


# Trimmable Surface Mount Resistors

CRT Series

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



## OBSOLETE CRT1/4 (1210)

(For other sizes see current datasheet)

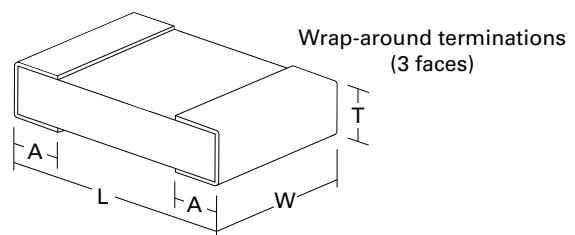
## Electrical Data

Commercial		CRT0805	CRT1206	CRT1210
Power rating at 70°C	watts	0.1	0.125	0.25
Resistance range	ohms	10R to 1M	10R to 1M	10R to 1M
Limiting element voltage	volts	100	200	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
CRT1210	+0.10	+0.1	0.5±0.2	+0.15
	3.2	2.6		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.

### Marking

All relevant information recorded on the reel.

### Solvent Resistance

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

### Terminations

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

### General Note

TT electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT electronics' own data and is considered accurate at time of going to print.

CRT Series **OBSOLETE CRT1/4 (1210)**

### Performance Data

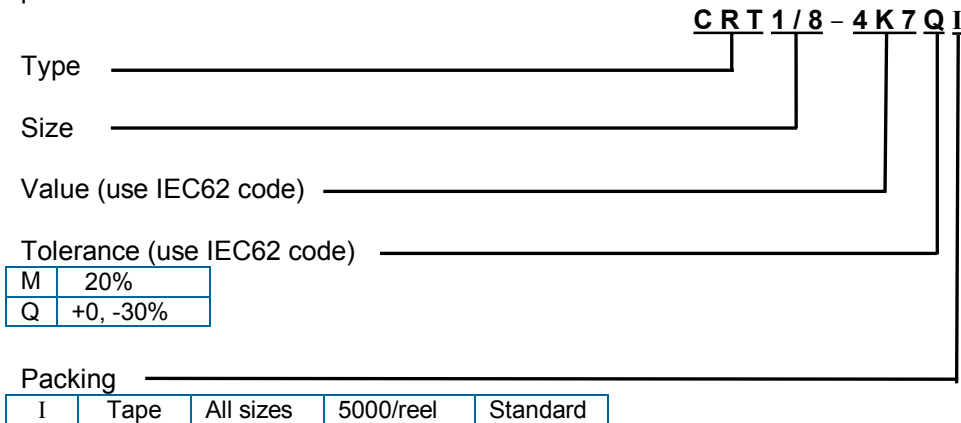
		Maximum	Typical
Load at rated power: 1000 hours at 70°C	ΔR%	3	0.4
Derate linearly to zero from 70°C		Zero at 125°C	
Short term overload (6.25 x rated power)	ΔR%	2.5	0.4
Long term damp heat	ΔR%	3	0.5
Temperature rapid change	ΔR%	1	0.1
Resistance to solder heat	ΔR%	2.5	0.2

### 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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