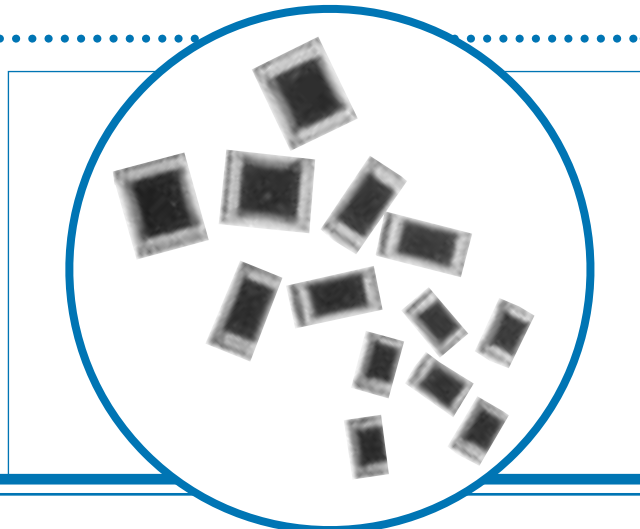


Trimmable Surface Mount Resistors

CRT Series

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



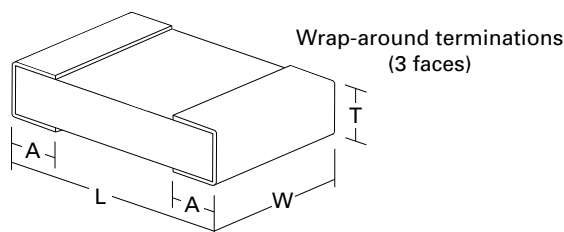
Electrical Data

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
CRT1206	-0.1	-0.1	0.5±0.2	-0.05
	+0.1	+0.1		0.55
CRT1210	-0.15	-0.15	0.5±0.2	-0.05
	+0.10	+0.1		0.55
CRT1210	3.2	2.6	0.5±0.2	+0.15
	-0.15	-0.15		0.55



Construction

The chips have a high alumina substrate (96% minimum) with ruthenium oxide resistance element and silver palladium, nickel and solder plated terminations. A glass dielectric coat 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

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

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Trimmable Surface Mount Resistors

CRT Series



Performance Data

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

Packaging

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