



Date

Surface Mount Thick Film Resistors

CRCW Series Specifications



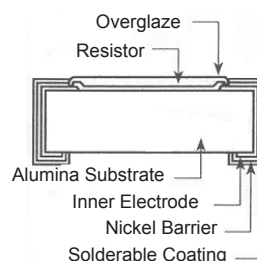
Part Number Determination

CRCW060310K0FKEA						
CRCW	0603	10K0	F	K	EA	
SERIES	SIZE	RESISTANCE	TOLERANCE	TEMP COEFFICIENT	PACKAGING	
Thick Film, Rectangular Chip Resistor	0201 1210 0402 1218 0603 2010 0805 2512 1206	R=Decimal K=Thousand M=Million	F=±1% J=±5%	K=±100ppm N=±200ppm	EA=5K Paper Tape EB=10K Paper Tape EC=20K Paper Tape ED=10K Paper Tape EE=50K Paper Tape EF=4K Paper Tape	EG=2K Paper Tape EH=4K Paper Tape EI=5K Paper Tape EK=4K Paper Tape EL=20K Paper Tape EY= Bulk

Electrical Characteristics

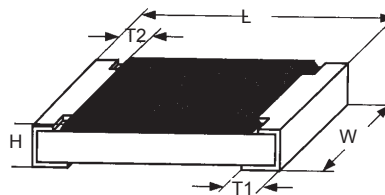
Case Size	Power Rating	Max. Operating Voltage	Resistance	Temperature Coefficient		Zero Ohm Jumper	Marking Code
				100ppm/°C	200ppm/°C		
0201 1%	1/20W	30V	47-1M E24, E96	49.9-1M			Not Marked
0402 5%	1/16W	50V	1.0-10M E24		1.0-10M	.05 ohm Max	Not Marked
0402 1%	1/16W	50V	100-1M E96	10-1M			Not Marked
0603 5%	1/10W	50V	1.0-10M E24		1.0-10M	.05 ohm Max 1 AMP Max	3 digits
0603 1%	1/10W	50V	10-1M E96	10-1M			4 digits
0805 5%	1/8 W	100V	1.0-10M E24		1.0-10M	.05 ohm Max 1 AMP Max	3 digits
0805 1%	1/8 W	100V	10-1M E96	10-1M			4 digits
1206 5%	1/4W	200V	1.0-10M E24		1.0-10M	.05 ohm Max 2AMP Max	3 digits
1206 1%	1/4W	200V	10-1M E96	10-1M			4 digits

Construction



Package Dimensions (mm)

Case Size	L	W	H	T1	T2
0201	0.6±0.05	0.3±0.05	0.23±0.05	0.15±0.05	0.15+0.05-0.10
0402	1.0±0.05	0.5±0.05	0.35±0.05	0.25±0.05	0.2±0.1
0603	1.55+0.10-0.05	0.85±0.1	0.45±0.05	0.3±0.2	0.3±0.2
0805	2.0+0.20-0.10	1.25±0.15	0.45±0.05	0.3+0.20-0.10	0.3±0.2
1206	3.2+0.10-0.20	1.6±0.15	0.55±0.05	0.45±0.2	0.4±0.2



Land Pattern (mm)

Case Size	a	b	l
0201 Reflow	0.28	0.43	0.23
0402 Reflow	0.4	0.6	0.5
0603 Reflow	0.5	0.9	1.0
0603 Wave	0.9	0.9	1.0
0805 Reflow	0.7	1.3	1.2
0805 Wave	0.9	1.3	1.3
1206 Reflow	0.9	1.7	2.0
1206 Wave	1.1	1.7	2.3

