

Surface Mount Thick Film Resistors
CRCW Series, Specifications



Part Number Determination

CRCW0603-1002FRT1					
CRCW	0603		1002	F	RT1
SERIES	SIZE		RESISTANCE	TOLERANCE	PACKAGING
Thick Film, Rectangular Chip Resistor	0201	1210	5%=2 Significant digits + 1 multiplier	F=±1% J=±5%	RT1=8mm Tape, 5000/7" Reel RT7=8mm Tape, 10000/7" Reel
	0402	1218			
	0603	2010			
	0805	2512			
	1206		1%=3 Significant digits + 1 multiplier		

CRCW060310K0FKEA					
CRCW	0603		10K0	F	RT1
SERIES	SIZE		RESISTANCE	TOLERANCE	PACKAGING
Thick Film, Rectangular Chip Resistor	0201	1210	R=Decimal K=Thousand M=Million	F=±1% J=±5%	EA=5K Paper Tape
	0402	1218			EB=10K Paper Tape
	0603	2010			EC=20K Paper Tape
	0805	2512			ED=10K Paper Tape
	1206				EE=50K Paper Tape
			EF=4K Paper Tape	EG=2K Paper Tape	
				EH=4K Paper Tape	
				EL=5K Paper Tape	
				EK=4K Paper Tape	
				EL=20K Paper Tape	
				EY= Bulk	

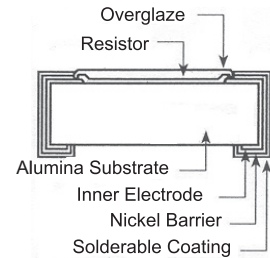
Electrical Characteristics

Case Size	Power Rating	Max. Operating Voltage	Resistance	Temperature Coefficient		Zero Ohm Jumper	Marking Code
				100ppm/°C	200ppm/°C		
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

Features

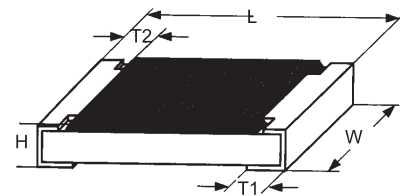
- Internationally standardized size
- Automatic placement compatibility
- Flow solderable
- Thick film resistance element
- Wraparound termination
- Inner electrode protection
- Operating temperature range -55 ~ +150°C

Construction



Package Dimensions (mm)

Case Size	L	W	H	T1	T2
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	.085±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
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

