

## CTTKFR Series

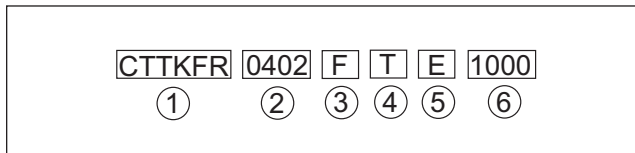
### FEATURES

- Thick Film Passivated NiCr Resistor
- Very Tight Tolerance from  $\pm 1\%$ ~ $5\%$
- Wide R-Value Range

### APPLICATIONS

- Medical Equipment
- Testing / Measurement Equipment
- Consumer Product
- Printer Equipment
- Automatic Equipment Controller
- Converters
- Communication Device, Cell phone, GPS, PDA

### PART NUMBERING



#### 1. Product Type

Product Type	Thick Film Chip Resistor
CTTKFR	

#### 2. Dimensions (LxW)

EIA	Dimensions(LxW)
0201	0.6x0.30mm
0402	1.0x0.50mm
0603	1.6x0.80mm
0805	2.0x1.25mm
1206	3.1x1.55mm
1210	3.1x2.5mm
2010	5.0x2.5mm
2512	6.3x3.2mm

#### 3. Resistance Tolerance

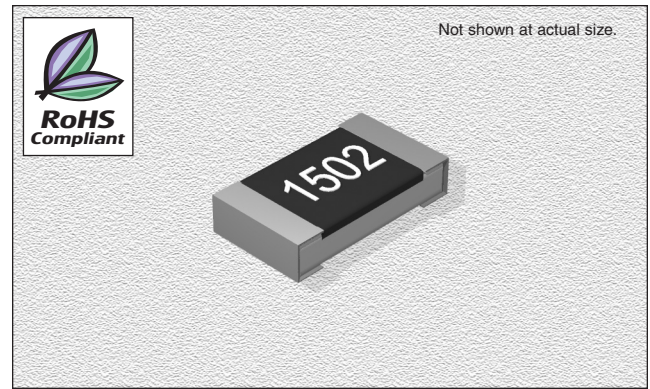
Codes	Resistance Tolerance
F	$\pm 1\%$
J	$\pm 5\%$

#### 4. Packaging

Code	Type
T	Tape & Reel

#### Tape & Reel QTY's

CTTKFR0201 = 10,000pcs (paper tape)  
 CTTKFR0402 = 10,000pcs (paper tape)  
 CTTKFR0603 = 5,000pcs (paper tape)  
 CTTKFR0805 = 5,000pcs (paper tape)  
 CTTKFR1206 = 5,000pcs (paper tape)  
 CTTKFR1210 = 5,000pcs (paper tape)  
 CTTKFR2010 = 4,000pcs (embossed tape)  
 CTTKFR2512 = 4,000pcs (embossed tape)



#### 5. TCR

Codes	Type
E	$\pm 100$ PPM/ $^{\circ}$ C
F	$\pm 200$ PPM/ $^{\circ}$ C
-	Not Specified

#### 6. Resistance

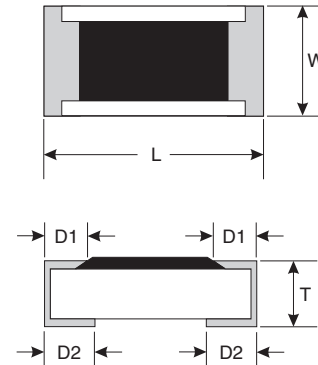
Codes	Type
1000	100 $\Omega$
2201	2200 $\Omega$
1002	10000 $\Omega$
4992	49900 $\Omega$
1003	100000 $\Omega$

03.16.07

## CTTKFR Series

### PHYSICAL DIMENSIONS

Type	L	W	T	D1	D2
CTTKFR0201	0.6±0.03	0.30±0.03	0.23±0.03	0.15±0.05	0.15±0.05
CTTKFR0402	1.0±0.05	0.50±0.05	0.35±0.05	0.20±0.10	0.25±0.10
CTTKFR0603	1.6±0.15	0.80±0.10	0.45±0.10	0.30±0.20	0.30±0.20
CTTKFR0805	2.0±0.15	1.25±0.10	0.50±0.10	0.35±0.20	0.40±0.20
CTTKFR1206	3.1±0.10	1.55±0.10	0.55±0.10	0.45±0.20	0.40±0.20
CTTKFR1210	3.1±0.10	2.55±0.10	0.55±0.10	0.50±0.20	0.50±0.20
CTTKFR2010	5.0±0.20	2.50±0.20	0.55±0.10	0.60±0.20	0.50±0.20
CTTKFR2512	6.3±0.20	3.20±0.20	0.55±0.10	0.60±0.20	0.50±0.20



### STANDARD ELECTRICAL SPECIFICATIONS

Type	Power Rating at 70°C	Operating Temp. Range	Max. Operating Voltage	Max. Overloading Voltage	Resistance Tolerance (±)	Resistance Range	TCR (±PPM/°C)
CTTKFR0201	1/20W	-55°C to +125°C	15V	30V	1%	10Ω-1MΩ	200
					5%	10Ω-1MΩ	200
CTTKFR402	1/16W	-55°C to +125°C	50V	100V	1%	1Ω-9.76Ω	200
					1%	10Ω-1MΩ	100
					5%	1Ω-9.76Ω	200
					5%	10Ω-1MΩ	200
					5%	1.1MΩ-10MΩ	200
CTTKFR0603	1/10W	-55°C to +155°C	50V	100V	1%	1Ω-9.76Ω	200
					1%	10Ω-1MΩ	100
					5%	1Ω-9.76Ω	200
					5%	10Ω-1MΩ	100
					5%	1.1MΩ-10MΩ	200
CTTKFR0805	1/8W	-55°C to +155°C	150V	300V	1%	1Ω-9.76Ω	200
					1%	10Ω-1MΩ	100
					5%	1Ω-9.76Ω	200
					5%	10Ω-1MΩ	100
					5%	1.1MΩ-10MΩ	200
CTTKFR1206	1/4W	-55°C to +155°C	200V	400V	1%	1Ω-9.76Ω	200
					1%	10Ω-1MΩ	100
					5%	1Ω-9.76Ω	200
					5%	10Ω-1MΩ	100
					5%	1.1MΩ-10MΩ	200
CTTKFR1210	1/3W	-55°C to +155°C	200V	400V	1%	1Ω-9.76Ω	200
					1%	10Ω-1MΩ	100
					5%	1Ω-9.76Ω	200
					5%	10Ω-1MΩ	100
					5%	1.1MΩ-10MΩ	200

03.16.07

## CTTKFR Series

### STANDARD ELECTRICAL SPECIFICATIONS (CONTINUED)

Type	Power Rating at 70°C	Operating Temp. Range	Max. Operating Voltage	Max. Overloading Voltage	Resistance Tolerance (±)	Resistance Range	TCR (±PPM/°C)
CTTKFR2010	1/2W	-55°C to +155°C	200V	400V	1%	1Ω-9.76Ω	200
					1%	10Ω-1MΩ	100
					5%	1Ω-9.76Ω	200
					5%	10Ω-1MΩ	100
					5%	1.1MΩ-10MΩ	200
CTTKFR2512	1W	-55°C to +155°C	200V	400V	1%	1Ω-9.76Ω	200
					1%	10Ω-1MΩ	100
					5%	1Ω-9.76Ω	200
					5%	10Ω-1MΩ	100
					5%	1.1MΩ-10MΩ	200

03.16.07



Manufacturer of Passive and Discrete Semiconductor Components

**800-684-5322** Inside US **949-453-1811** Outside US

Copyright © 2007 by CT Magnetics, DBA Central Technologies. All rights reserved.

CT Magnetics reserves the right to make improvements or change specifications without notice