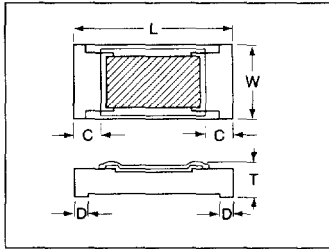


# Thick Film Chip Resistors

## CR05 / CR10 / CR21 / CR32 Series



### HOW TO ORDER

**CR 32 - 101 J - T**

① ② ③ ④ ⑤

① **Style:** CR = Chip resistor; CJ = Zero ohm jumper

② **Case Size:**  
 05 = 0402 10 = 0603  
 21 = 0805 32 = 1206

③ **Resistance Code:**  
 G, J, and K tolerances = 2 significant digits plus number of zeros  
 F tolerance = 3 significant digits plus number of zeros  
 Zero ohm jumper = 000

④ **Resistance Tolerance:**  
 Blank = Jumper K = ±10%  
 G = ±2% J = ±5%  
 F = ±1% (available in case size CR10, CR21 and CR32 only)

⑤ **Packaging**

### Standard Packaging:

	BULK	TAPE & REEL 7"	TAPE & REEL 10"
CR05	1,000	10,000	50,000
CR10	1,000	5,000	10,000
CR21	1,000	5,000	10,000
CR32	1,000	5,000	10,000

### Dimensions:

	CR05 (0402)		CR10 (0603)		CR21 (0805)		CR32 (1206)	
	millimeters (inches)							
<b>L</b>	1.00 ±0.05	(.039 ±.002)	1.60 ±0.10	(.063 ±.004)	2.00 ±0.10	(.079 ±.004)	3.10 ±0.10	(.122 ±.004)
<b>W</b>	0.50 ±0.05	(.020 ±.002)	0.80 <sup>+0.15</sup> / <sub>-0.10</sub>	(.031 <sup>+0.005</sup> / <sub>-0.004</sub> )	1.25 <sup>+0.15</sup> / <sub>-0.10</sub>	(.049 <sup>+0.005</sup> / <sub>-0.004</sub> )	1.55 <sup>+0.15</sup> / <sub>-0.10</sub>	(.061 <sup>+0.005</sup> / <sub>-0.004</sub> )
<b>T</b>	0.35 ±0.05	(.014 ±.002)	0.50 ±0.10	(.020 ±.004)	0.55 ±0.10	(.022 ±.004)	0.55 <sup>+0.10</sup> / <sub>-0.05</sub>	(.022 <sup>+0.004</sup> / <sub>-0.002</sub> )
<b>C</b>	0.20 ±0.15	(.008 ±.006)	0.25 ±0.20	(.010 ±.008)	0.35 ±0.20	(.014 ±.008)	0.45 ±0.20	(.018 ±.008)
<b>D</b>	0.20 ±0.10	(.008 ±.004)	0.20 <sup>+0.20</sup> / <sub>-0.15</sub>	(.008 <sup>+0.005</sup> / <sub>-0.006</sub> )	0.40 ±0.20	(.016 ±.008)	0.45 ±0.20	(.018 ±.008)

### Temperature Coefficient of Resistance

Tolerance	CR05						CR10							
	F (±1%)		J (±5%)		K (±10%)		F (±1%)		G (±2%)		J (±5%)		K (±10%)	
Resistance Range	10Ω 1MΩ	10Ω 1MΩ	1MΩ 2.2MΩ	2.2Ω 10Ω	10Ω 1MΩ	1MΩ 10MΩ	10Ω 100Ω	10Ω 1MΩ	10Ω 1MΩ	1MΩ 2.2Ω	10Ω 10Ω	10Ω 1MΩ	1MΩ 10MΩ	1MΩ 10MΩ
TCR (ppm/°C)	±100	±250	-500 +300	-100 +600	±250	-500 +300	±100	±100	±200	-500	-100	±200	-500	+300

Tolerance	CR21						CR32														
	D (±0.5%)		F (±1%)		G (±2%)		J (±5%)		K (±10%)		D (±0.5%)		F (±1%)		G (±2%)		J (±5%)		K (±10%)		
Resistance Range	10Ω 1MΩ	10Ω 100MΩ	100Ω 1MΩ	10Ω 1MΩ	1MΩ 2.2MΩ	10Ω 10Ω	10Ω 1MΩ	1MΩ 10MΩ	0.47Ω 1.0Ω	1.0Ω 10Ω	10Ω 1MΩ	10Ω 1MΩ	10Ω 1MΩ	10Ω 100Ω	10Ω 1MΩ	1MΩ 2.2MΩ	10Ω 10Ω	10Ω 10MΩ	10Ω 1MΩ	1MΩ 10MΩ	
TCR (ppm/°C)	±100	±100	±100	±200	-500 +300	-100 +600	±200	-500 +300	-100 +1000	-100 +600	±200	±200	±200	±100	±100	±100	±200	-500 +300	-100 +1000	-100 +600	±200 +300

### Chip Resistor Ratings

Spec	Style	CR05 (0402)			CR10 (0603)				CR21 (0805)			CR32 (1206)											
		Power																					
Power		0.603 (1/16) W			0.603 (1/10) W				0.100 (1/8) W			0.125 (1/4) W											
Voltage		50V												100V					200V				
Tolerance		F (±1%)	J (±5%)	K (±10%)	F (±1%)	G (±2%)	J (±5%)	K (±10%)	D (±0.5%)	F (±1%)	G (±2%)	J (±5%)	K (±10%)	D (±0.5%)	F (±1%)	G (±2%)	J (±5%)	K (±10%)					
Value Range		10Ω 1MΩ	10Ω 2.2 MΩ	2.2Ω 10MΩ	10Ω 1MΩ	10Ω 2.2MΩ	1.0Ω 10MΩ	10Ω 1MΩ	10Ω 1MΩ	10Ω 2.2MΩ	10Ω 10MΩ	10Ω 10MΩ	10Ω 1MΩ	10Ω 1MΩ	10Ω 2.2MΩ	10Ω 10MΩ	10Ω 10MΩ	0.36Ω 10MΩ	1.0Ω 10MΩ				
Working Temperature		-55°C ~ +125°C																					

Additional information on this product is available from AVX's catalog or AVX's FAX Service. Call 1-800-879-1613 and request document #095. Visit our website <http://www.avxcorp.com>

