

Thick Film Chip Resistors



CR05 / CR10 / CR21 / CR32 Series

Features:

- 1) Wave, IR reflow and vapor phase soldering compatible.
- 2) Wrap-around nickel barrier terminations.
- 3) Suitable size & packaging for surface mount assembly.
- 4) Low noise.



How To Order:

CR 32 – 101 J – T

Packaging

- B = Bulk (1,000 pcs/bag)
 T = 7" Reel/Punched Paper Tape (5,000 pcs/reel) except CR05
 H = 7" Reel/Punched Paper Tape (10,000 pcs/reel, 2mm pitch taping) CR05 and CR10
 D = 10" Reel/Punched Paper Tape (10,000 pcs/reel) CR32, CR21, CR10
 K = 13" Reel/Punched Paper Tape (20,000 pcs/reel) except CR05 (optional)

Resistance Tolerance

- Blank = Jumper
 K = $\pm 10\%$
 J = $\pm 5\%$
 G = $\pm 2\%$
 F = $\pm 1\%$
 D = $\pm 0.5\%$

Resistance Code

- For G, J, and K Tolerances
 3 digit code (E-24)
 2 significant digits plus
 number of zeros
 Examples:
 2.2 Ω = 2R2
 10 Ω = 100
 100 Ω = 101
 1k Ω = 102
 0 Ω = 000 (Jumper)
- For D and F Tolerances
 4 digit code (E-96)
 3 significant digits plus
 number of zeros
 Examples:
 10 Ω = 10R0
 100 Ω = 1000
 1k Ω = 1001

Case Size

- 05 = 0402
 10 = 0603
 21 = 0805
 32 = 1206

Style

- CR = Chip Resistor
 CJ = Zero Ohm Jumper

Dimensions:

	CR05 (CJ05)	CR10 (CJ10)	CR21 (CJ21)	CR32 (CJ32)
L	1.00 $\pm$ 0.05 (.039 $\pm$.002)	1.60 $\pm$ 0.10 (.063 $\pm$.004)	2.00 $\pm$ 0.10 (.079 $\pm$.004)	3.10 $\pm$ 0.10 (.122 $\pm$.004)
W	0.50 $\pm$ 0.05 (.020 $\pm$.002)	0.80 $^{+0.15}_{-0.10}$ (.031 $^{+0.06}_{-.004}$)	1.25 $^{+0.15}_{-0.10}$ (.049 $^{+0.06}_{-.004}$)	1.55 $^{+0.15}_{-0.10}$ (.061 $^{+0.06}_{-.004}$)
T	0.35 $\pm$ 0.05 (.014 $\pm$.002)	0.50 $\pm$ 0.10 (.020 $\pm$.004)	0.55 $\pm$ 0.10 (.022 $\pm$.004)	0.55 $^{+0.10}_{-0.05}$ (.022 $^{+0.04}_{-.002}$)
C	0.20 $\pm$ 0.15 (.008 $\pm$.006)	0.25 $\pm$ 0.20 (.010 $\pm$.008)	0.35 $\pm$ 0.20 (.014 $\pm$.008)	0.45 $\pm$ 0.20 (.018 $\pm$.008)
D	0.20 $\pm$ 0.10 (.008 $\pm$.004)	0.20 $^{+0.20}_{-0.15}$ (.008 $^{+0.08}_{-.006}$)	0.40 $\pm$ 0.20 (.016 $\pm$.008)	0.45 $\pm$ 0.20 (.018 $\pm$.008)

mm (inches)

