

COMPLIANT





- Resistances from 10hm to 10M0hms
- Power Rating 0.05 to 0.25Watt
- Resistance Tolerances to ± 0.5%
- TCR's to ± 50 ppm/K
- Non-Magnetic (contact PtAg)
- Suitable for Glueing or Soldering
- Sizes: 0402 / 0504 / 0603 / 0805 / 1206
- High Temperature Applications possible

SPECIFICATIONS

Type (larger sizes upon request)		0402	0504	0603	0805	1206
Power Rating (W) ¹		0.05	0.10	0.10	0.125	0.25
Working Voltage (VAC)	Trimmed	30	50	75	100	200
	Untrimmed	100	150	220	300	600
	Resistance Range (Ω) Tolerances Available ($\%$) Temperature Coefficients Available (\pm ppm/K) (lower TCR upon request)					
1 Ω - < 10 Ω		10% to 20% 100 / 250	5% to 20% 100 / 250	5% to 20% 100 / 250	5% to 20% 100 / 250	5% to 20% 100 / 250
10Ω - <100Ω		5% to 10% 50 / 100	2% to 10% 50 / 100	2% to 10% 50 / 100	1% to 10% 50 / 100	1% to 10% 50 / 100
100Ω - 1M		1% to 10% 50 / 100	1% to 10% 50 / 100	1% to 10% 50 / 100	0.5% to 10% 50 / 100	0.5% to 10% 50 / 100
>1M - 10M		5% to 20% 50 / 100	1% to 10% 50 / 100	1% to 10% 50 / 100	1% to 10% 50 / 100	1% to 10% 50 / 100

 1 W @ 70 °C / 0W @ 155 °C

Specification	Value	
Temperature Range	-55°C to +155°C (extended range up to 250°C upon request)	
Climactic Cetegory	55 / 155 / 56	
Solderability	250°C / 3s (up to 6 month after shipping resp. at storage in Nitrogen)	
Max. Soldering Temperature	260°C / 10s	

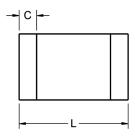
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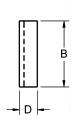
Powertron



SPECIFICATIONS (continued)

Long Torm Stability	Max ∆R			
Long Term Stability	<10Ω	10Ω - 10M		
Storage 125°C / 1000h	±1%	±0.5%		
Storage 155°C / 1000h	±2%	±1%		
Load Life / P=70% / 70°C / 1000h	±1% ±0.5%			
Short term overload	±0.5%	±0.25%		
Humidity / 96%RH / 40°C / 56 days	±1%	±0.5%		





Туре	Dimensions					
Турс	L	В	D	С		
CHR 0402	0.040 ±0.006 [1.04 ±0.15]	0.020 ±0.006 [0.5 ±0.15]	0.012 ±0.002 [0.3 ±0.05]	0.004 +0.004 / -0.002 [0.1 +0.1 / -0.05]		
CHR 0504	0.050 +0.006 / -0.002 [1.25 +0.15 / -0.05]	0.040 +0.006 / -0.002 [1.0 +0.15 / -0.05]	0.012 +0.006 / -0.002 [0.3 +0.15 / -0.05]	0.008 +0.008 / -0.004 [0.2 +0.2 / -0.1]		
CHR 0603	0.060 +0.006 / -0.002 [1.5 +0.15 / -0.05]	0.030 +0.008 / -0.002 [0.8 +0.2 / -0.05]	0.016 +0.006 / -0.002 [0.4 +0.15 / -0.05]	0.008 +0.008 / -0.004 [0.2 +0.2 / -0.1]		
CHR 0805	0.080 +0.006 / -0.002 [2.0 +0.15 / -0.05]	0.050 +0.006 / -0.002 [1.25 +0.15 / -0.05]	0.016 +0.006 / -0.002 [0.4 +0.15 / -0.05]	0.012 +0.008 / -0.004 [0.3 +0.2 / -0.1]		
CHR 1206	0.126 +0.006 / -0.002 [3.2 +0.15 / -0.05]	0.060 +0.008 / -0.002 [1.5 +0.2 / -0.05]	0.016 +0.006 / -0.002 [0.4 +0.15 / -0.05]	0.012 +0.008 / -0.004 [0.3 +0.2 / -0.1]		

Packaging:

Bulk or Blistertape to IEC 60286-3

Tape width 8mm / Reel Diameter 180 or 330mm Minimum quantity Bulk / 100 pieces per value Minimum quantity Tape & Reel / 1000 pieces per value

Power Derating Curve 120 100 80 80 40 20 20 Ambient Temperature (°C)

Ordering Information

Part Number - Resistance - Tolerance - TCR - Packaging Example: CHR 0603 10 kOhms 5% 50ppm Tape

(Note: if no TCR is specified, the highest value will be supplied)





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