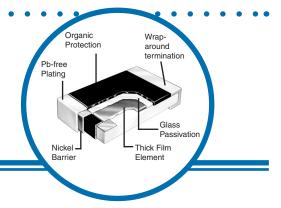
General Purpose Thick Film Chip Resistor



WCR Series

- Tolerances to ±0.5%
- TCR down to ±50 ppm/°C
- · Zero ohm jumpers available
- · Wide ohmic range 1 ohm to 22M ohm
- · Now supplied with Pb-free terminations



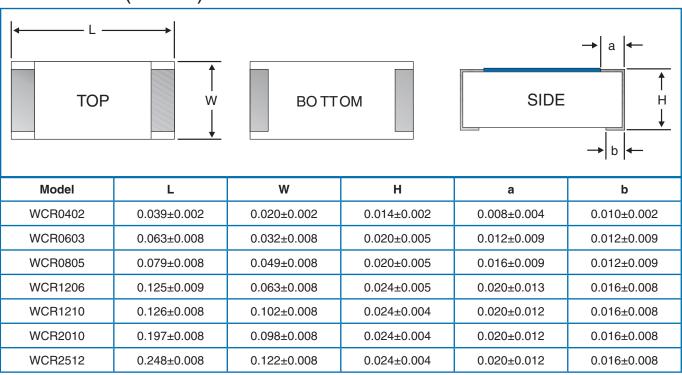
Specifications

P/N	TCR (ppm/C)	Ohmic Range				Rated Power at	Max.	Max.	Packaging	
		±5%	±2%	±1%	±0.5%	70C (milliwatts)	Working Voltage	Overload Voltage	Carrier Tape	Qty.
WCR0402	±200 ±100 ±50	4R7-1M N/A N/A	N/A N/A N/A	N/A 10R-1M N/A	N/A N/A N/A	63	50	100	Card- board	10K
WCR0603	±400 ±200 ±100 ±50	1R0-9R76, 1M1-10M 10R-1M N/A N/A	1R0-9R76, 1M1-10M N/A 10R-1M N/A	1R0-9R76 N/A 10R-1M N/A	1R0-9R76 N/A N/A 1R0-1M	100	50	100	Card- board	5K
WCR0805	±400 ±200 ±100 ±50	1R0-9R76, 6M2-22M 10R-5.6M N/A N/A	N/A 1R0-10M N/A N/A	1R0-9R76, 1M1-10M N/A 10R-976K N/A	N/A N/A N/A 10R-1M	125	150	200	Card- board	5K
WCR1206	±400 ±200 ±100 ±50	1R0-9R76, 6M2-22M 10R-5M6 N/A N/A	N/A 1R0-10M N/A N/A	1R0-9R76, 1M1-10M N/A 10R-976K N/A	N/A N/A N/A 10R-1M	250	200	400	Card- board	5K
WCR1210	±400 ±200 ±100	1R0-9R76, 1M1-10M 10R-1M N/A	N/A 10R-1M N/A	1R0-9R76, 1M1-10M N/A 10R-976K	N/A N/A 10R-976K	250	200	400	Plastic	4K
WCR2010	±400 ±200 ±100 ±50	1R0-9R76, 6M2-22M 10R-5M6 N/A N/A	N/A 10R-1M N/A N/A	1R0-9R76, 1M1-10M N/A 10R-1M N/A	N/A N/A N/A 10R-976K	500	200	400	Plastic	4K
WCR2512	±400 ±200 ±100 ±50	1R0-9R76, 6M2-22M 10R-5M6 N/A N/A	N/A 10R-1M N/A N/A	1R0-9R76, 1M1-10M N/A 10R-1M N/A	N/A N/A N/A 10R-976K	1000	200	400	Plastic	4K

General Purpose Thick Film Chip Resistor



Dimensions (inches)



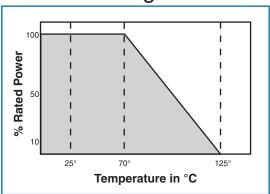
Environmental Performance

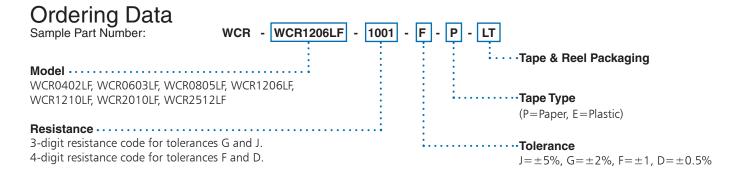
Test Conditions	Test Method	Max Change (5%)	Max Change (1%)	
Short Time Overload	5 Seconds 2.5 X Rated Power	±2.0%	±0.75%	
Temperature Cycling	5 Cycles -55°C to +125°C	±0.5%	±0.5%	
Humidity	1000 Hours 40°C ±2°C 90-95% RH	±3.0%	±1.0%	
Load Life	1000 Hours 70°C ±3°C	±3.0%	±1.0%	
High Temperature Exposure	1000 Hours 125°C ±3°C	±1.0%	±1.0%	
Low Temperature Exposure	1000 Hours -55°C ±3°C	±1.0%	±1.0%	
Effects od Solder Heat	10 ±1 Seconds 260°C ±5°C	±1.0%	±0.75%	
Solderablitiy	3 ±0.5 Seconds 235°C ±5°C	95% Min Coverage	95% Min Coverage	

General Purpose Thick Film Chip Resistor



Power Derating Chart





For additional information or to discuss your specific requirements, please contact our Applications Team using the contact details below.