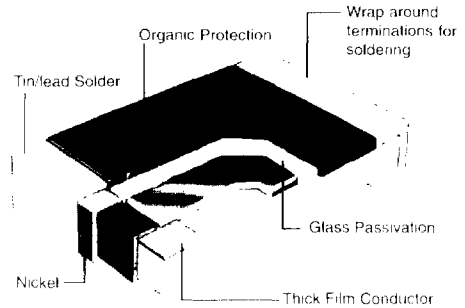




GENERAL PURPOSE CHIP RESISTOR

WCR SERIES* THICK FILM ELEMENT

- Replaces all previous CHF designs
- Wide ohmic range 0.27 ohms to 22 Megohm
- 0.5%, 1% and 5% tolerances
- 1/20 watt through 1 watt @ 70° C
- Zero ohm jumpers
- TCR down to 50 ppm/°C



SPECIFICATIONS:

SERIES SIZE	TOL %	TC of R PPM/C 1000	TC of R PPM/C 400	TC of R PPM/C 200	TC of R PPM/C 100	TC of R PPM/C 50	OHMIC VALUE SERIES	WATTS @70C	WORKING VOLTAGE
WCR0402	5%		2R0-9R1	10R-1M0			E-24	1/20	25
WCR0402	5%		1M1-5M6				E-24	1/20	25
WCR0402	1%			100R-100K			E-96	1/20	25
WCR0603	5%		1R0-9R1	10R-1M0			E-24	1/16	50
WCR0603	5%		1M1-10M				E-24	1/16	50
WCR0603	1%				10R-1M0		E-96	1/16	50
WCR0603	0.5%				100R-100K		E-96	1/16	50
WCR0805	10%	R27-R82					E-12	1/10	150
WCR0805	10%	27M-2G2					E-12	1/10	150
WCR0805	5%	1M1-22M	1R0-9R1	10R1M0			E-24	1/10	150
WCR0805	1%		1R0-9R9		10R-1M0		E-96	1/10	150
WCR0805	1%		1M1-10M				E-96	1/10	150
WCR0805	0.5%				100R-976K	100R-100K	E-96	1/10	150
WCR1206	10%	R27-R82					E-12	1/8	200
WCR1206	10%	27M-2G2					E-12	1/8	200
WCR1206	5%		1R0-4R7	5R1-3M3			E-24	1/8	200
WCR1206	5%		3M6-22M				E-24	1/8	200
WCR1206	1%		1R0-9R9	1M1-5M6	10R-1M0		E-96	1/8	200
WCR1206	1%		5M6-10M				E-96	1/8	200
WCR1206	0.5%				100R-976K	100R-100K	E-96	1/8	200
WCR1210	10%	R27-R82					E-12	1/4	200
WCR1210	5%		1R0-9R1	10R-5M6			E-24	1/4	200
WCR1210	5%		6M2-22M				E-24	1/4	200
WCR1210	1%				10R-1M0		E-96	1/4	200
WCR1210	0.5%				100R-976K		E-96	1/4	200
WCR2010	10%	R27-R82					E-12	1/2	200
WCR2010	5%		1R0-9R1				E-24	1/2	200
WCR2010	5%		6M2-22M	10R-5M6			E-24	1/2	200
WCR2010	1%				10R-1M0		E-96	1/2	200
WCR2010	0.5%				10R-976K		E-96	1/2	200
WCR2512	10%	R33-R82					E-12	1	200
WCR2512	5%		1R0-9R1	10R-5M6			E-24	1	200
WCR2512	5%		6M2-22M				E-24	1	200
WCR2512	1%		1R09R9		10R-10M0		E-96	1	200
WCR2512	0.5%				10R-976K		E-96	1	200



WCR

ENVIRONMENTAL PERFORMANCE DATA

Parameter	Conditions	5%	1%
Load Life	1,000 Hrs. @ 70°C ±3°C	±3.0% Max.	±1.0%
Humidity	1,000 Hrs. @ 40°C ± 2°C 90-95% RH	±3.0% Max.	±1.0%
Temperature Cycle	5 Cycles -55°C to +125°C	±0.5% Max.	±0.5%
Low Temperature Operation	1,000 Hrs. @ -55°C ±3°C	±1.0% Max.	±1.0%
High Temperature Operation	1,000 Hrs. @ +125°C ± 3°C	±1.0% Max.	±1.0%
Short Time Overload	5 Seconds @ 2.5 X Rated Power	±2.0% Max.	±0.75%
Effects of Solder Heat	10 ± 1 Second @ 260°C ±5°C	±1.0% Max.	±0.75%
Solderability	3.0 ± 0.5 Seconds @ 230°C ± 5°C	95% Minimum Coverage	

DIMENSIONS

P/N		L	W	H	a	b
WCR0402	mm	1.0 ± .05	.5 ± .05	.35 ± .05	.2 ± .1	.25 ± .05
	in	.039 ± .002	.020 ± .002	.014 ± .002	.008 ± .004	.010 ± .002
WCR0603	mm	1.6 ± .2	.8 ± .1	.5 ± .1	.3 ± .2	.3 ± .2
	in	.063 ± .008	.032 ± .008	.020 ± .005	.012 ± .009	.012 ± .009
WCR0805	mm	2.0 ± .2	1.25 ± .15	.5 ± .1	.4 ± .2	.3 ± .2
	in	.079 ± .008	.049 ± .008	.020 ± .005	.016 ± .009	.012 ± .009
WCR1206	mm	3.2 ± .25	1.6 ± .2	.6 ± .1	.5 ± .3	.4 ± .2
	in	.125 ± .009	.063 ± .008	.024 ± .005	.020 ± .013	.016 ± .009
WCR1210	mm	3.2 ± .2	2.6 ± .2	.6 ± .1	.5 ± .3	.4 ± .2
	in	.126 ± .008	.102 ± .008	.024 ± .004	.020 ± .012	.016 ± .008
WCR2010	mm	5.0 ± .2	2.5 ± .2	.6 ± .1	.5 ± .3	.4 ± .2
	in	.197 ± .008	.098 ± .008	.024 ± .004	.020 ± .012	.016 ± .008
WCR2512	mm	6.3 ± .2	3.1 ± .2	.6 ± .1	.5 ± .3	.4 ± .2
	in	.248 ± .008	.122 ± .008	.024 ± .004	.020 ± .012	.016 ± .008

PACKAGING:

WCR0402	10,000	Cardboard Carrier Tape	Plastic Reel
WCR0603	5,000	Cardboard Carrier Tape	Plastic Reel
WCR0805	5,000	Cardboard Carrier Tape	Plastic Reel
WCR1206	5,000	Cardboard Carrier Tape	Plastic Reel
WCR1210	4,000	Plastic Carrier Tape	Plastic Reel
WCR2010	4,000	Plastic Carrier Tape	Plastic Reel
WCR2512	4,000	Plastic Carrier Tape	Plastic Reel

HOW TO ORDER:

IRC Type WCR0805
 Resistance Value 1503
 Tolerance (J=5%, F=1%, D=.5%) F
 Tape Type (P=Paper, E=Plastic) P
 Tape and Reel Package LT

