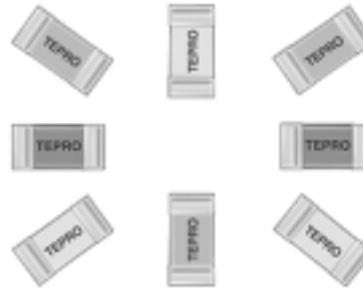


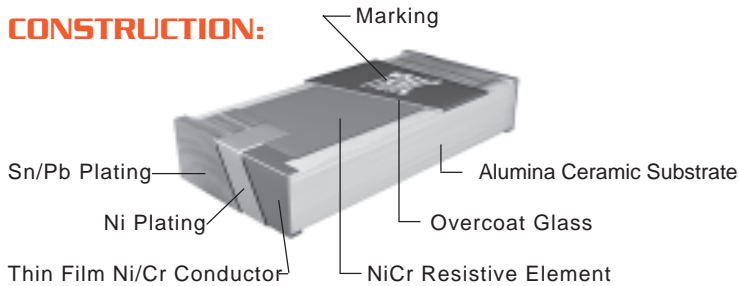
**ULTRA PRECISION, THIN FILM
SURFACE MOUNT, CHIP RESISTORS**

FEATURES:

- Standard tolerances to $\pm 0.01\%$
- International standard size
- Highly reliable multilayer electrode construction
- Compatible with both flow soldering and reflow soldering
- Highly stable in auto-placement surface mounting applications
- Custom sizes can be designed for special applications
- TC's to $\pm 5\text{ppm}$
- Matching available to 0.01%



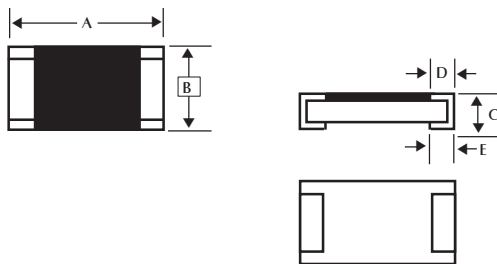
CONSTRUCTION:



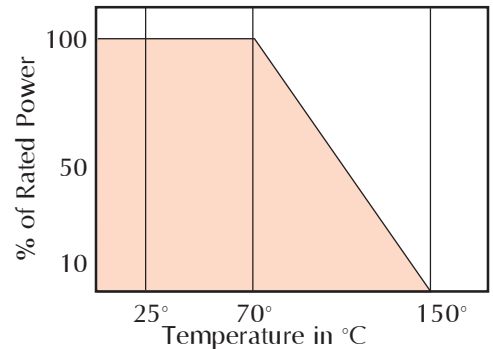
GENERAL SPECIFICATIONS:

- Standard resistance range:
10 Ω to 3M Ω Other values available.
- Tolerance: $\pm 0.01\%$ to 1%
- Temperature coefficient:
5-50 ppm/ $^{\circ}\text{C}$
- Power rating: The power rating is from 70 $^{\circ}\text{C}$ to 150 $^{\circ}\text{C}$ derated linearly to zero at 150 $^{\circ}\text{C}$. The chip can be used at higher power level with adequate heat sinking.
- Resistive elements: Proprietary nichrome thin film.
- Substrate: alumina

DIMENSIONAL AND TERMINAL CONFIGURATIONS:



DERATING CURVE:



ELECTRICAL SPECIFICATIONS AND DIMENSIONS - TEPRO TYPE "TR":

TEPRO TYPE	SIZE	DIMENSIONS (Inches)					MAXIMUM WORKING (volts)	MAXIMUM OVERLOAD (volts)	TCR (ppm/ $^{\circ}\text{C}$)	RATED POWER (milliwatts)	RESISTANCE RANGE (ohms)
		A ± 0.007	B ± 0.005	C ± 0.005	D ± 0.005	E ± 0.005					
TR2	0402	0.039	0.019	0.014	0.009	0.011	25	50	5/50	62.5	10-100K
TR3	0603	0.063	0.032	0.016	0.012	0.015	75	100	5/50	62.5	2-332K
TR5	0805	0.079	0.049	0.016	0.016	0.015	100	200	5/50	100	1-1M
TR6	1206	0.126	0.063	0.021	0.021	0.021	150	300	5/50	125	1-1M
TR10	2010	0.209	0.098	0.025	0.021	0.021	150	300	5/50	250	1-1M
TR12	2512	0.258	0.124	0.025	0.021	0.021	150	300	5/50	500	1-3M