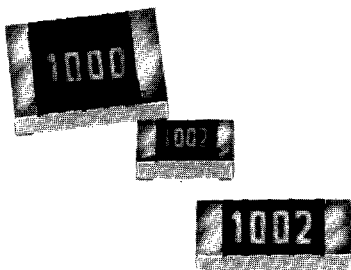


FLAT CHIP RESISTOR - ULTRA PRECISION



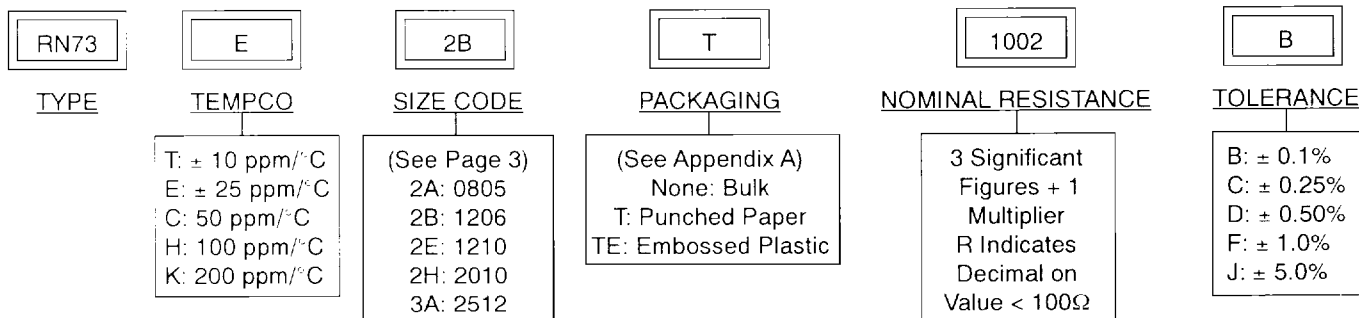
- NiCr Thin Film Resistor Element
- Anti-Leaching Nickel Barrier Terminations
- 90/10 Solder Plated Terminations, Standard
- Also Available with Wire Bondable Terminations
- Meets or Exceeds EIA 576, MIL-R-55342D, UL94V-0
- Four (4) Digit Marking, Distinctive Color Identifiers

STANDARD APPLICATIONS

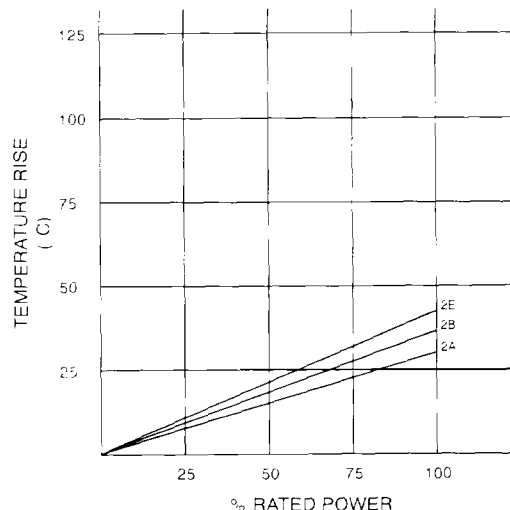
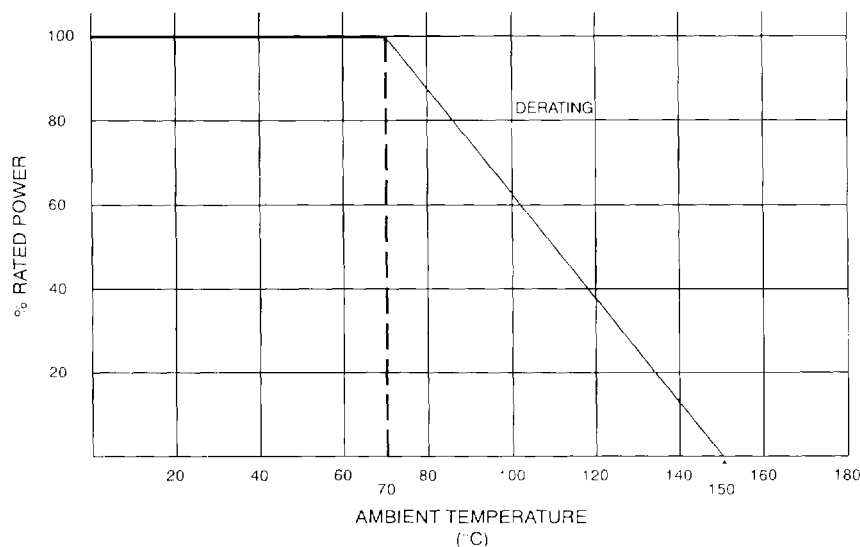
PART DESIGNATION	POWER RATING @ 70°C	TCR (ppm/°C) MAX	E-24 / E-96*** RESISTANCE RANGE - TOLERANCE				ABSOLUTE MAXIMUM WORKING VOLTAGE	ABSOLUTE MAXIMUM OVERLOAD VOLTAGE	OPERATING TEMP. RANGE
			B(±0.1%)	C(±0.25%)	D(±0.5%)	F(±1.0%)			
RN73T2A	100 mW (1.10 W)	± 10	100Ω - 100KΩ				100V	200V	55°C to +150°C
RN73E2A		± 25	100Ω - 100KΩ	51Ω - 100KΩ	10Ω - 100KΩ				
RN73C2A		± 50	---	51Ω - 150KΩ	10Ω - 150KΩ				
RN73T2B	125 mW (1.8 W)	± 10	100Ω - 130KΩ				150V	300V	
RN73E2B		± 25	100Ω - 130KΩ	51Ω - 130KΩ	10Ω - 130KΩ				
RN73C2B		± 50	---	51Ω - 365KΩ	10Ω - 365KΩ				
RN73T2E	250 mW (1/4 W)	± 10	100Ω - 240KΩ				200V	400V	
RN73E2E		± 25	100Ω - 240KΩ	51Ω - 240KΩ	10Ω - 240KΩ				
RN73C2E		± 50	---	51Ω - 510KΩ	10Ω - 510KΩ				
LOW OHMIC VALUE CHIP RESISTORS					F(±1%)	J(±5)	NOTE: BELOW VALUES BASED ON 10Ω RESISTOR		
RN73*2A	100mW	±100 (1%) ±200 (5%)					1.0V	2.5V	-55°C to ±150°C
RN73*2B	125mW						1.1V	2.8V	
RN73*2E	250mW		0.2Ω - 10Ω	0.2Ω - 10Ω			1.6V	4.0V	
RN73*2H	500mW		2.2V	5.6V					
RN73*3A	1000mW		3.2V	7.9V					

* USE 'H' FOR 1% TOL., USE 'K' FOR 5% TOL.
*** See Appendix A for available decade values.

ORDERING & SPECIFYING INFORMATION



ENVIRONMENTAL APPLICATIONS



PARAMETER	MAXIMUM Δ R	TEST METHOD
Thermal Shock	± (0.15% + 0.05Ω)	MIL-STD-202F, Method 107D -55°C - +125°C, 5 cycles
Low Temperature Operation	± (0.15% + 0.05Ω)	MIL - R - 55342D π 4.7.4 1 Hour @ -55°C followed by 45 minutes of RCWV**
High Temperature Exposure	± (0.20% + 0.05Ω)	MIL - R - 55342D π 4.7.6 100 Hours @ 125°C
Short Term Overload*	± (0.10% + 0.05Ω)	MIL - R - 55342D π 4.7.5 2.5 X RCWV for 5 seconds
Resistance to Solder Heat	± (0.10% + 0.05Ω)	MIL - R - 55342D π 4.7.7 260°C for 10 seconds
Terminal Strength-Push	± (0.25% + 0.05Ω)	1.2 Kg for 1 minute
Terminal Strength-Bend	± (0.35% + 0.05Ω)	5mm Deflection in Either Direction for 10 Seconds
Moisture Resistance	± (0.25% + 0.05Ω)	MIL - STD - 202F, Method 106E 10 Cycles, 240 Hours
Life	± (0.20% + 0.05Ω)	MIL - STD - 202F, Method 108A 70°C, 1000 Hours @ RCWV, 1 1/2 Hr ON, 1/2 Hr OFF
Pulse	± (0.30% + 0.05Ω)	2.5 X RCWV, Not Exceeding Maximum Overload Voltage 1 Second ON, 25 Seconds OFF 10,000 Cycles
Temperature Cycling	± (0.20% + 0.05Ω)	30 Minutes @ -55°C; 15 Minutes at 25°C, 30 Minutes at +125°C, 15 Minutes at +25°C, 5 Cycles
MINIMUM		
Terminal Adhesion	15 Grams	Axial Pull, One Terminal at a Time
Dielectric Withstanding Voltage		
2A	200V	
2B	300V	
2E	400V	
2H	400V	
3A	400V	
Insulation Resistance	10,000 Meg Ohm	