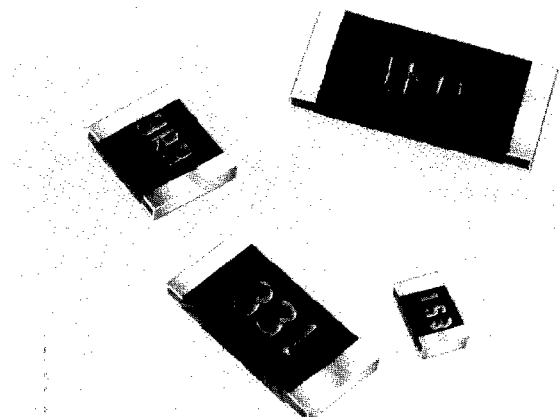


FLAT CHIP RESISTOR - GENERAL PURPOSE



- RuO₂ Thick Film Resistor Element
- Anti-Leaching Nickel Barrier Terminations
- 90/10 Solder Plated Terminations, Standard
- Also Available with Epoxy Bondable Terminations
- Meets or Exceeds EIA 575, EIAJ RC 2690A, EIA PDP - 100, MIL - R - 55342D, UL94V-0
- White Three Digit Marking on Black Protective Coat. No Marking on 1E (0402) Size.

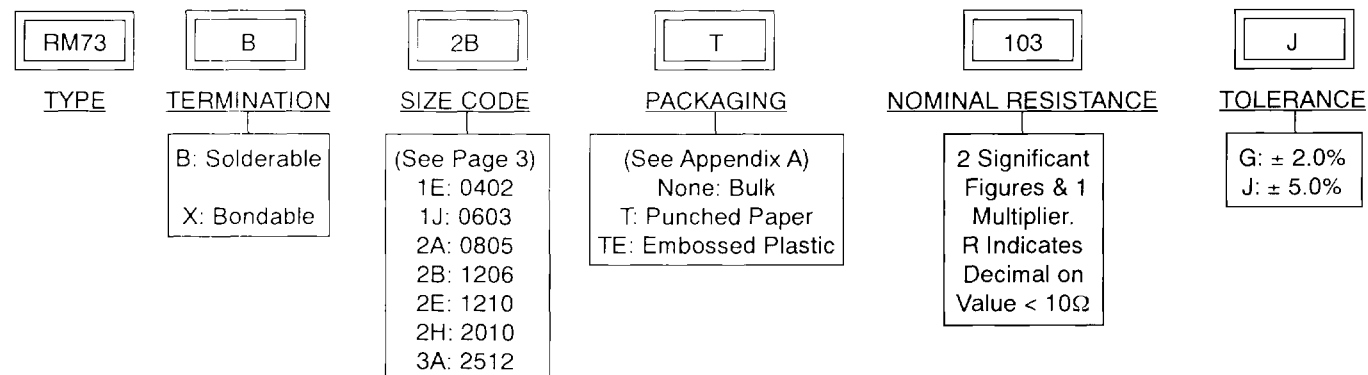
STANDARD APPLICATIONS

PART DESIGNATION *	POWER RATING @70°C*	TCR (ppm/°C) MAX	RESISTANCE RANGE (E-24)*** (G±2%)	RESISTANCE RANGE (E-24)*** (J±5%)	ABSOLUTE MAXIMUM WORKING VOLTAGE	ABSOLUTE MAXIMUM OVERLOAD VOLTAGE	OPERATING TEMPERATURE RANGE
RM73B1E (0402)	63mW	±200		10Ω - 1.0MΩ	25V	50V	-55°C - +125°C
		±500		1.1MΩ - 2.2MΩ			
RM73B1J (0603)	100mW (63mW)	±200	10Ω - 1.0MΩ	10Ω - 10MΩ	50V	100V	-55°C - + 150°C
		±400		1.0Ω - 9.1Ω			
RM73B2A (0805)	125mW (100mW)	±200	10Ω - 1.0MΩ	10Ω - 1.0MΩ	150V	300V	
		±400		1.0Ω - 9.1Ω 1.1MΩ - 20MΩ			
RM73B2B (1206)	250mW (125mW)	±200	10Ω - 5.6MΩ	10Ω - 5.6MΩ	300V	400V	-55°C +175°C
		±400		1.0Ω - 9.1Ω 6.2MΩ - 22MΩ			
RM73B2E (1210)	330mW (250mW)	±200	10Ω - 5.6MΩ	10Ω - 5.6MΩ			
		±400		1.0Ω - 9.1Ω 6.2MΩ - 22MΩ			
RM73B2H (2010)	750mW (500mW)	±200	10Ω - 5.6MΩ	10Ω - 5.6MΩ			
		±400		1.0Ω - 9.1Ω 6.2MΩ - 22MΩ			
RM73B3A (2512)	1000mW	±200	10Ω - 5.6MΩ	10Ω - 5.6MΩ			
		±400		1.0Ω - 9.1Ω 6.2MΩ - 22 MΩ			

* Parenthesis indicate EIA package size codes and power ratings.

*** See Appendix A for available decade values.

ORDERING & SPECIFYING INFORMATION



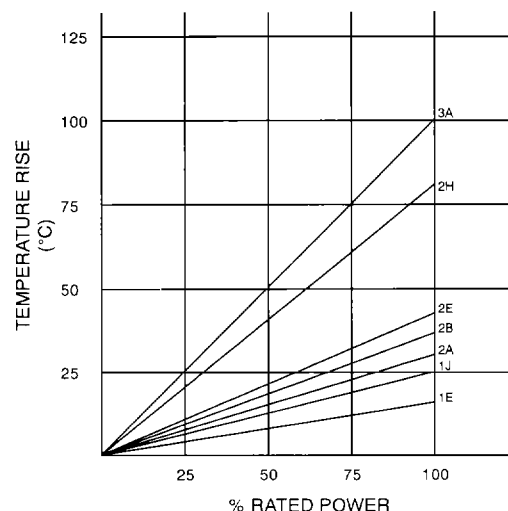
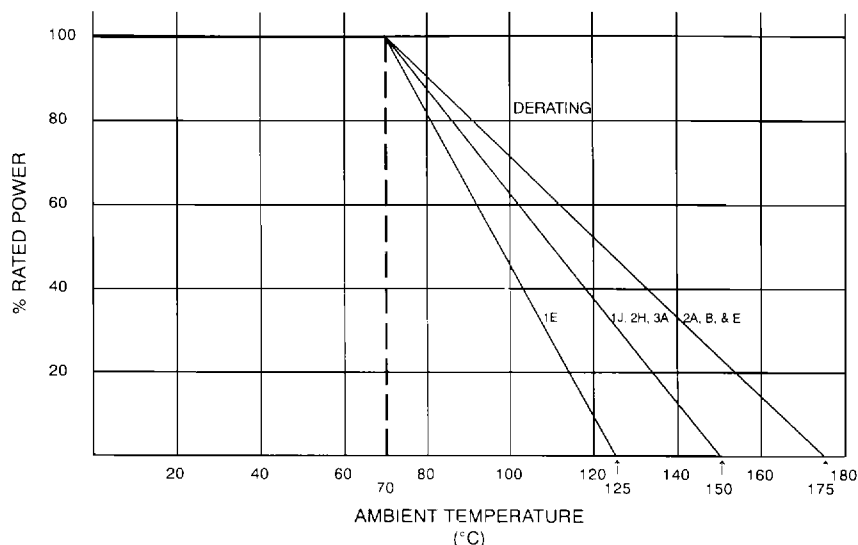


SPEER ELECTRONICS, INC.

FLAT CHIP RESISTORS RM73

GENERAL PURPOSE 5% & 2% TOLERANCE

ENVIRONMENTAL APPLICATIONS



PARAMETER	MAXIMUM ΔR	TEST METHOD
Thermal Shock	$\pm (0.3\% + 0.05\Omega)$	MIL-STD-202, Method 107D -55°C ~ +125°C, 5 cycles
Low Temperature Operation	$\pm (0.3\% + 0.05\Omega)$	MIL - R - 55342D π 4.7.4 1 Hour @ -55°C followed by 45 minutes of RCWV**
High Temperature Exposure	$\pm (0.75\% + 0.05\Omega)$	MIL - R - 55342D π 4.7.6 100 Hours @ 125°C
Short Time Overload*	$\pm 2.0\%$	MIL - R - 55342D π 4.7.5 2.5 X RCWV for 5 seconds
Resistance to Solder Heat	$\pm (0.30\% + 0.05\Omega)$	MIL - R - 55342D π 4.7.7 260°C for 10 seconds
Terminal Strength-Push	$\pm (0.75\% + 0.05\Omega)$	1.2 Kg for 1 minute
Terminal Strength-Bend	$\pm (0.50\% + 0.05\Omega)$	5mm Deflection in Either Direction for 10 Seconds
Moisture Resistance	$\pm 1.5\%$	MIL - STD - 202F, Method 106E 10 Cycles, 240 Hours
Life*	$\pm 1.5\%$	MIL - STD - 202F, Method 108A 70°C, 1000 Hours @ RCWV**, 1.5 Hr On, 0.5 Hr Off
Pulse*	$\pm 2.5\%$	2.5 X RCWV**, Not Exceeding Maximum Overload Voltage 1 Second ON, 25 seconds OFF 10,000 Cycles
Temperature Cycling	$\pm 1.0\%$	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		
1E	50V	
1J	100V	
2A	300V	
2B	400V	
2E	400V	
2H	400V	
3A	400V	
Insulation Resistance	10,000 Meg Ohm	

*Maximum ΔR pertains to EIA Power ratings

**RCWV = Rated Continuous Working Voltage