



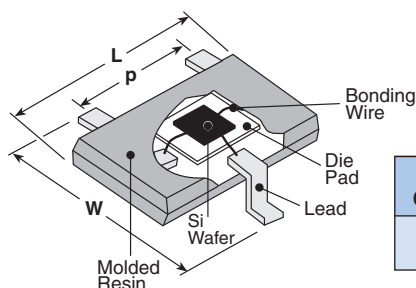
features

- Two circuit configurations
- Excellent parametric tracking
- Ultra precision ratio matching
- Products with lead-free terminations meet EU RoHS and China RoHS requirements

applications

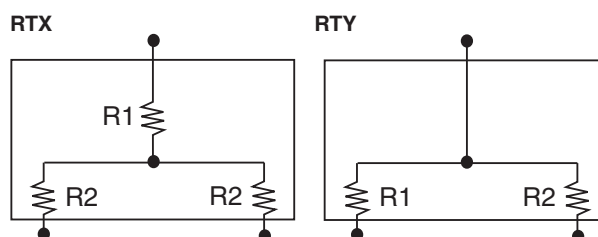
- Voltage diversion
- A/D conversion
- Reference voltage
- Matching resistors
- Parametric control

dimensions and construction



Size Code	Dimensions inches (mm)		
	L	W	p
S03	.115 (2.92)	.091 (2.30)	.075 (1.91)

circuit schematic



ordering information

New Part #	RTX	S03	T	TE	5001
	Type	Package Symbol	Termination Material	Packaging	Custom Value Code
	RTX RTY	Package type symbol + number of pins S03 = SOT23-3	T: Sn (Other termination styles available, contact factory for options)	TE: 7" embossed plastic	Custom code assigned by KSE Engineering

applications and ratings

Part Designation	Power Rating @ 70°C (Per Element)	T.C.R. (ppm/°C)	Tracking T.C.R. (ppm/°C)	Resistance Tolerance	Relative Resistance Tolerance	Value Range	Maximum Working Voltage	Operating Temperature Range
RTX	51Ω~1K: 200mW/element	±25,±50,±100	±10	±1%, ±2%, ±5%	A:±0.05%, B:±0.1%,C:±0.25%, D:±0.5%, F:±1%,G:±2%	10Ω to 100ΩK	100V	-50°C to +150°C
RTY	1.1KΩ: 50mW/element	±10,±25,±50, ±100	±5,±10, ±25,±50	±5%, ±2%, ±1%, 0.1%		10Ω to 100ΩK	100V	-50°C to +150°C

resistance ranges

Product Code	Number of Pins	T.C.R.	Resistance Range (Ω) (E24) and Resistance Tolerance						
			B: ±0.1%	C: ±0.25%	D: ±0.05%	F: ±1%	G: ±2%, J: ±5%		
RTX	3	E: ±25	—	—	—	100 ~ 40k		R1: R2 = 1: 1 ~ 1: 2 Max. total resist.50kΩ	
		C: ±50				51 ~ 50k			
		H: ±100							
RTY	3	T: ±10	1k ~ 40k					R1: R2 = 1: 1 ~ 1: 10 Max. total resist. 200k	
		E: ±25	1k ~ 150k				100 ~ 150k		
		C: ±50							
		H: ±100							
				51 ~ 200k	51 ~ 200k				
					30 ~ 200k				

For further information on packaging, please refer to Appendix A.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

12/28/08