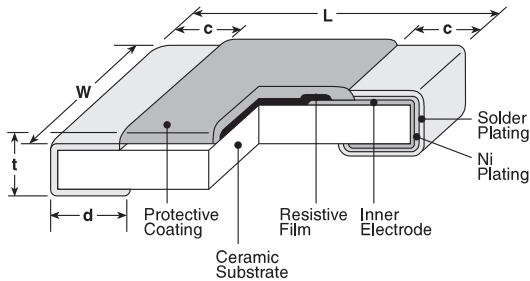


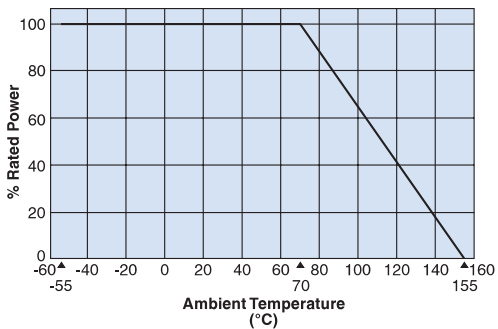
features

- Superior to RK73B/RK73H series in surge dielectric withstanding voltage
- Marking: White three-digit on wine red protective coat
 SG73P: Black three-digit
 SG73S: White three-digit on green protective coating
 SG73P/S 1E, 1J: no marking
 SG73P/S 1E: Black coating
- Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.

dimensions and construction



Derating Curve



ordering information

New Part #	SG73	2B	T	TD	102	K
Type	SG73 SG73P SG73S	NEW1E 1J 2A 2B 2E W2H W3A 2H 3A	Termination Material T: Sn (Other termination styles may be available, please contact factory for options)	Packaging TP: 0402, 0603, 0805: 7" 2mm pitch punch paper TD: 0603, 0805, 1206, 1210: 7" 4mm pitch punched paper TDD: 0603, 0805, 1206, 1210: 10" paper tape TE: 0805, 1206, 1210, 2010 & 2512: 7" embossed plastic TED: 0805, 1206, 1210, 2010 & 2512: 10" embossed plastic For further information on packaging, please refer to Appendix A	Nominal Resistance ±0.5%, ±1%: 3 significant figures + 1 multiplier "R" indicates decimal on value <100Ω ±2%, ±5%, ±10%, ±20%: 2 significant figures + 1 multiplier "R" indicates decimal on value <10Ω	Tolerance D: ±0.5% F: ±1% G: ±2% J: ±5% K: ±10% M: ±20%

NEW	Type (Inch Size Code)	Dimensions inches (mm)				
		L	W	c	d	t
	SG73P1E, SG73S1E (0402)	.039 ^{+0.004} _{-.002} (1.0 ^{+0.1} _{-0.05})	.02±.002 (0.5±0.05)	.006±.004 (0.15±0.1)	.010 ^{+0.002} _{-.004} (0.25 ^{+0.05} _{-0.1})	.014±.002 (0.35±0.05)
	SG731J,SG73P1J SG73S1J (0603)	.063±.008 (1.6±0.2)	.031±.004 (0.8±0.1)	.012±.004 (0.3±0.1)	.012±.004 (0.3±0.1)	.018±.004 (0.45±0.1)
	SG732A (0805)	.079±.008 (2.0±0.2)	.049±.004 (1.25±0.1)	.016±.008 (0.4±0.2)	.012 ^{+0.008} _{-.004} (0.3 ^{+0.2} _{-0.1})	.02±.004 (0.5±0.1)
	SG73P2A, SG73S2A (0805)			.012 ^{+0.008} _{-.004} (0.3 ^{+0.2} _{-0.1})		
	SG732B (1206)	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.02±.012 (0.5±0.3)	.016 ^{+0.008} _{-.004} (0.4 ^{+0.2} _{-0.1})	.024±.004 (0.6±0.1)
	SG73P2B, SG73S2B (1206)			.016 ^{+0.008} _{-.004} (0.4 ^{+0.2} _{-0.1})		
	SG732E (1210)			.102±.008 (2.6±0.2)		
	SG73P2E, SG73S2E (1210)			.02±.012 (0.5±0.3)	.016 ^{+0.008} _{-.004} (0.4 ^{+0.2} _{-0.1})	.024±.004 (0.6±0.1)
	SG732H (2010)	.197±.008 (5.0±0.2)	.098±.008 (2.5±0.2)	.016 ^{+0.008} _{-.004} (0.4 ^{+0.2} _{-0.1})		
	SG73W2H (2010)			.02±.012 (0.5±0.3)	.026±.006 (0.65±0.15)	.024±.004 (0.6±0.1)
	SG733A (2512)	.248±.008 (6.3±0.2)	.122±.008 (3.1±0.2)		.016 ^{+0.008} _{-.004} (0.4 ^{+0.2} _{-0.1})	
	SG73W3A (2512)				.026±.006 (0.65±0.15)	

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

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applications and ratings

Part Designation	Power Rating @ 70°C	T.C.R. (ppm/°C) Max.	Resistance Range				Absolute Maximum Working Voltage	Absolute Maximum Overload Voltage	Operating Temp. Range
			(E-24) (D±0.5%)	(E-24) (F±1%)	(E-24) (G±2%, J±5%)	(E-12) (K±10%, M±20%)			
SG731J (0603)	1/10W (.1W)	±200 ±400	—	—	—	10Ω - 1MΩ 1Ω - 8.2Ω	50V	100V	-55°C to +155°C
SG732A (0805)	1/8W (.125W)	±200 ±400	—	—	—	10Ω - 1MΩ 1Ω - 8.2Ω	150V	200V	
SG732B (1206)	1/4W (.25W)	±200 ±400	—	—	—	10Ω - 1MΩ 1Ω - 8.2Ω	200V	400V	
SG732E (1210)	1/3W (.33W)	±200 ±400	—	—	—	10Ω - 1MΩ 1Ω - 8.2Ω			
SG732H/W2H (2010)	3/4W (.75W)	±200 ±400	—	—	—	10Ω - 1MΩ 1Ω - 8.2Ω			
SG733A/W3A (2512)	1W	±200 ±400	—	—	—	10Ω - 1MΩ 1Ω - 8.2Ω			
NEW SG73P1E, SG73S1E (0402)	1/8W (.125W)	±200	10Ω - 1MΩ	1Ω - 1MΩ	1Ω - 10MΩ	—	50V	100V	
SG73P1J, SG73S1J (0603)	1/5W (.2W)	±100**							
SG73S2A, SG73P2A (0805)	1/4W (.25W)	±200	10Ω - 1MΩ	1Ω - 1MΩ	1Ω - 10MΩ	—	150V	200V	
SG73S2B, SG73P2B (1206)	1/3W (.33W)	±200	10Ω - 1MΩ	1Ω - 1MΩ	1Ω - 10MΩ	—	200V	400V	
SG73S2E, SG73P2E (1210)	1/2W (.5W)	±200	10Ω - 1MΩ	1Ω - 1MΩ	1Ω - 10MΩ	—			

* Parentheses indicate EIA package size codes.

** Cold T.C.R.: +150 x 10⁻⁶/K

environmental applications

Performance Characteristics

Parameter	Requirement Δ R ±(+0.05Ω)		Test Method
	Limit	Typical	
Resistance	Within specified tolerance	—	25°C
T.C.R.	Within specified T.C.R.	—	+25°C/-55°C and +25°C/+125°C
Overload (Short time)	±2%	±0.5%	Rated Voltage x 2.5 for 5 seconds
Resistance to Solder Heat	±1%	±0.75%	260°C ± 5°C, 10 seconds ± 1 second
Rapid Change of Temperature	±0.5%	±0.3%	-55°C (30 minutes), +125°C (30 minutes), 100 cycles
Moisture Resistance	±3%	±0.75%	40°C ± 2°C, 90%~95%RH, 1000 hours; 1.5 hr ON, 0.5 hr OFF cycle
Endurance at 70°C	±3%	±0.75%	70°C ± 2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
High Temperature Exposure	±1%	±0.3%	+155°C, 1000 hours

Additional environmental applications can also be found at www.koaspeer.com

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

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单击下面可查看定价，库存，交付和生命周期等信息

[>>K0A Speer\(日本兴亚\)](#)