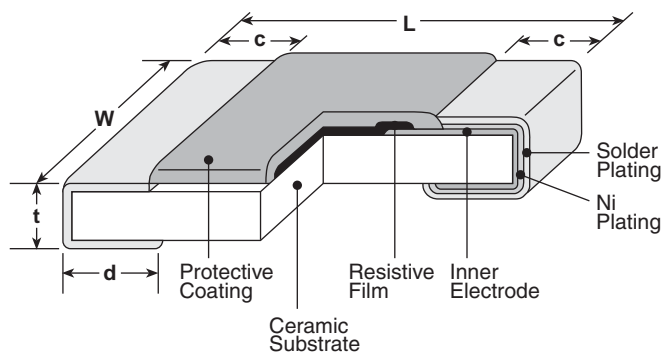


features

- RuO₂ thick film resistor element
- Anti-leaching nickel barrier terminations
- Meets or exceeds EIA 575, EIAJ RC 2690A, EIA PDP-100, MIL-R-55342F
- Superior to RK73B/RK73H series in surge dielectric withstanding voltage
- Untrimmed chip resistor
- Marking: White three-digit on wine red protective coat, SG73P/S: White three-digit on green protective coating
- Products with lead-free terminations meet RoHS requirements. Pb located in glass material, electrode and resistor element is exempt per Annex 1, exemption 5 of EU directive 2005/95/EC

dimensions and construction



	Type (Inch Size Code)	Dimensions inches (mm)				
		L	W	c	d	t
NEW	SG731J, SG73P1J (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} _{-0.004} (0.3 ^{+0.2} _{-0.1})	.02±.004 (0.5±0.1)
NEW	SG73P2A, SG73S2A (0805)			.012 ^{+0.008} _{-0.004} (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} _{-0.004} (0.4 ^{+0.2} _{-0.1})	.024±.004 (0.6±0.1)
NEW	SG73P2B, SG73S2B (1206)			.016 ^{+0.008} _{-0.004} (0.4 ^{+0.2} _{-0.1})		
	SG732E (1210)	.102±.008 (2.6±0.2)	.102±.008 (2.6±0.2)	.02±.012 (0.5±0.3)	.016 ^{+0.008} _{-0.004} (0.4 ^{+0.2} _{-0.1})	.024±.004 (0.6±0.1)
NEW	SG73P2E, SG73S2E (1210)			.016 ^{+0.008} _{-0.004} (0.4 ^{+0.2} _{-0.1})		
	SG732H (2010)	.197±.008 (5.0±0.2)	.098±.008 (2.5±0.2)	.02±.012 (0.5±0.3)		
	SG733A (2512)	.248±.008 (6.3±0.2)	.122±.008 (3.1±0.2)			

ordering information

New Part #	SG73	2B	T	TD	102	K
Type	SG73 NEW SG73P NEW SG73S	Size	Termination Material	Packaging	Nominal Resistance	Tolerance
		1J 2A 2B 2E 2H 3A	T: Sn (Other termination styles may be available, please contact factory for options)	TP: 2mm pitch punched paper (0603 & 0805) TD: 7" paper tape (0603, 0805, 1206 & 1210) TDD: 10" paper tape (0805, 1206 & 1210) TE: 7" punched plastic (0805, 1206, 1210, 2010 & 2512)* TED: 10" punched plastic (0805, 1206, 1210, 2010 & 2512)	±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	D: ±0.5% F: ±1% G: ±2% J: ±5% K: ±10% M: ±20%

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

* Not available P2E & S2E

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

9/20/07

applications and ratings

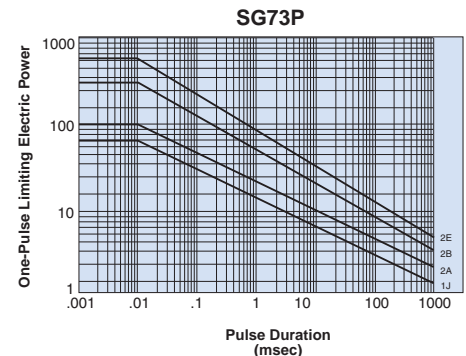
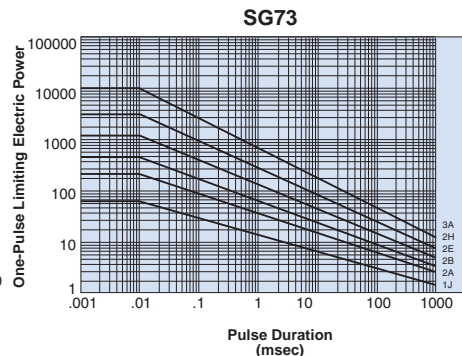
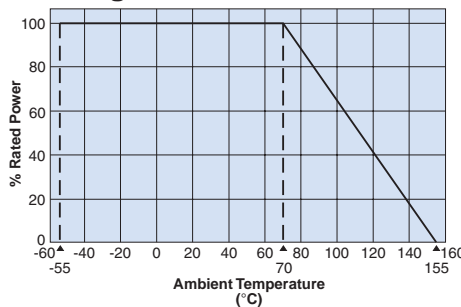
	Part Designation	Power Rating @ 70°C	T.C.R. (ppm/°C) Max.	Resistance Range				Absolute Maximum Working Voltage	Absolute Maximum Overload Voltage	Operating Temp. Range
				(E-24) (D±0.5%)	(E-24) (F±1%)	(E-24) (G±2%, J±5%)	(E-12) (K±10%, M±20%)			
NEW	SG73P1J (0603)	1/8W (.125W)	±200	10Ω - 1MΩ	10Ω - 1MΩ	10Ω - 1MΩ	—	50V	100V	-55°C to +155°C
	SG731J (0603)	1/16W (.063W)	±200 ±400	—	—	—	10Ω - 1MΩ 1Ω - 8.2Ω			
	SG732A (0805)	1/8W (.125W)	±200 ±400	—	—	—	10Ω - 1MΩ 1Ω - 8.2Ω	150V	200V	
NEW	SG73S2A, SG73P2A (0805)	1/4W (.25W)	±200	10Ω - 1MΩ	1Ω - 1MΩ	1Ω - 10MΩ	—			
	SG732B (1206)	1/4W (.25W)	±200 ±400	—	—	—	10Ω - 1MΩ 1Ω - 8.2Ω	200V	400V	
NEW	SG73S2B, SG73P2B (1206)	1/3W (.33W)	±200	10Ω - 1MΩ	1Ω - 1MΩ	1Ω - 10MΩ	—			
	SG732E (1210)	1/3W (.33W)	±200 ±400	—	—	—	10Ω - 1MΩ 1Ω - 8.2Ω			
NEW	SG73S2E, SG73P2E (1210)	1/2W (.5W)	±200	10Ω - 1MΩ	1Ω - 1MΩ	1Ω - 10MΩ	—			
	SG732H (2010)	3/4W (.75W)	±200 ±400	—	—	—	10Ω - 1MΩ 1Ω - 8.2Ω			
	SG733A (2512)	1W	±200 ±400	—	—	—	10Ω - 1MΩ 1Ω - 8.2Ω			

* Parenthesis indicate EIA package size codes.

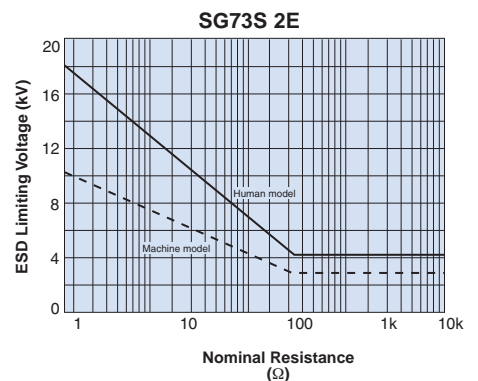
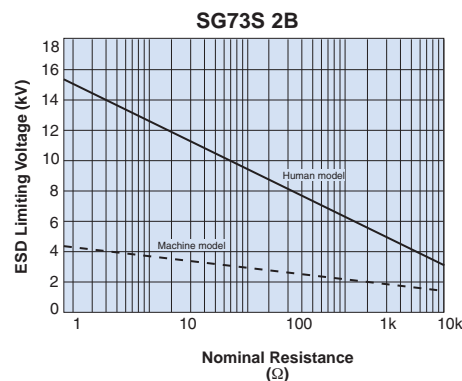
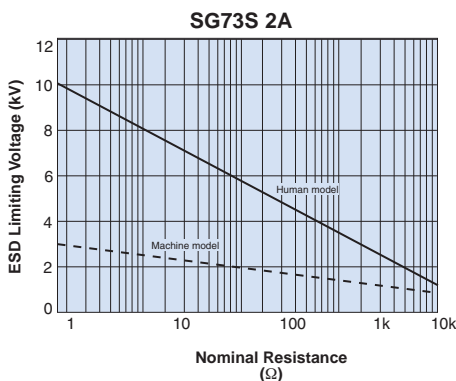
environmental applications

One-Pulse Limiting Electric Power

Derating Curve



ESD Limiting Voltage



For complete environmental specifications, please refer to pages 30-31.

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

2/05/07