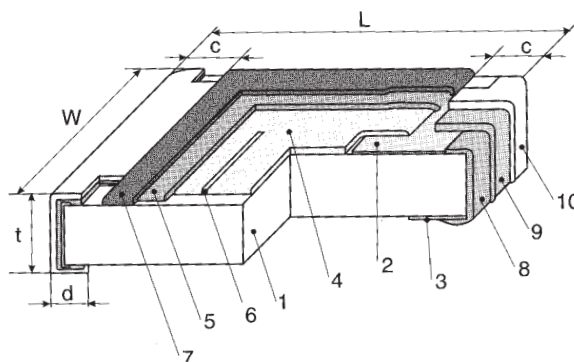
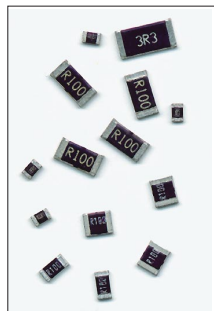


FLAT CHIP

CURRENT DETECTING

LOW OHM THICK FILM

SR73



STRUCTURE

- 1 Ceramic substrate
- 2 Top termination (Ag Pd)
- 3 Bottom termination (Ag Pd)
- 4 Resistive layer
- 5 Glass layer
- 6 Trimming cut
- 7 Protective layer
- 8 End termination
- 9 Diffusion barrier (Ni)
- 10 Solder plating (Sn 90%/Pb 10%)

IDENTIFICATION

TYPE	COATING COLOR	MARKING
SR73 1E	Indigo	None
SR73 1J ... SR73 3A		White, 3 digits (E24) White, 4 digits (E96)

TYPE DESIGNATION (HOW TO ORDER)

Old Part No.	SR73H	2A	F		TD	R475	
New Part No.	SR73	2A		L	TD	R475	F
	PRODUCT CODE	STYLE	TOLERANCE	TERMINATION SURFACE MATERIAL	TAPING*	NOMINAL RESISTANCE	TOLERANCE
				T: Sn L: Sn/Pb		F: 4 digits J, G: 3 digits	

FEATURES

- RuO₂ thick film resistor element
- Anti-leaching nickel barrier terminations
- 90/10 solder plated terminations
- The most suitable current detecting resistor for power supply, motor circuits etc.
- High reliability and performance with T.C.R. ±100 ppm/K resistance tolerance 1%
- Rated ambient temperature: + 70° C
- Operating temperature range: - 55° C ... + 155° C (1J, 2A, 2B)
- Operating temperature range: - 55° C ... + 125° C (1E, 2E, 2H, 3A)

DIMENSIONS (mm)

SIZE	TYPE	L	W	c	d	t
0402	SR73 1E	1.0 ^{+0.1} / _{-0.05}	0.5 ^{+0.1} / _{-0.05}	0.25 ± 0.1	0.25 ± 0.1	0.35 ± 0.1
0603	SR73 1J	1.6 ± 0.2	0.8 ^{+0.15} / _{-0.1}	0.35 ± 0.1	0.35 ± 0.1	0.45 ± 0.1
0805	SR73 2A	2.0 ± 0.2	1.25 ± 0.2	0.4 ± 0.2	0.3 ^{+0.2} / _{-0.1}	0.5 ± 0.1
1206	SR73 2B	3.2 ± 0.2	1.6 ± 0.2	0.5 ± 0.3	0.4 ^{+0.2} / _{-0.1}	0.6 ± 0.1
1210	SR73 2E		2.6 ± 0.2			
2010	SR73 2H	5.0 ± 0.2	2.5 ± 0.2			
2512	SR73 3A	6.3 ± 0.2	3.1 ± 0.2			

RATING

SIZE	TYPE	T.C.R. (ppm/K)	POWER RATING	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	RESISTANCE RANGE		
						F (±1%) E96 · E24	G (±2%) E24	J (±5%) E24
0402	SR73 1E	± 200 ± 300 ± 500	0.063 W	0.79 V	1.98 V	0.51 Ω ~ 10 Ω (E24) 0.2 Ω ~ 0.47 Ω (E24) 0.1 Ω ~ 0.18 Ω (E24)	0.51 Ω ~ 10 Ω 0.2 Ω ~ 0.47 Ω 0.1 Ω ~ 0.18 Ω	0.51 Ω ~ 10 Ω 0.2 Ω ~ 0.47 Ω 0.1 Ω ~ 0.18 Ω
NEW 0603	SR73 1J	± 200 ± 250 ± 100	0.1 W	0.32 V	0.79 V	0.2 Ω ~ 1.0 Ω 0.1 Ω ~ 0.196 Ω 0.1 Ω ~ 10 Ω	0.2 Ω ~ 1.0 Ω 0.1 Ω ~ 0.18 Ω —	0.2 Ω ~ 1.0 Ω 0.1 Ω ~ 0.18 Ω —
0805	SR73 2A	± 200 ± 500 ± 800 ± 100	0.125 W	1.11 V	2.79 V	— — — 0.1 Ω ~ 10 Ω	— — — 0.1 Ω ~ 10 Ω	— 0.051 Ω ~ 0.091 Ω 0.030 Ω ~ 0.047 Ω —
1206	SR73 2B	± 200 ± 500 ± 800 ± 100	0.25 W	1.58 V	3.95 V	— — — 0.1 Ω ~ 10 Ω	— — — 0.1 Ω ~ 10 Ω	— 0.056 Ω ~ 0.091 Ω 0.030 Ω ~ 0.051 Ω —
1210	SR73 2E	± 200 ± 500 ± 1000 ± 100	0.5 W	2.23 V	5.59 V	— — — 0.1 Ω ~ 10 Ω	— — — 0.1 Ω ~ 10 Ω	— 0.047 Ω ~ 10 Ω 0.036 Ω ~ 0.043 Ω 0.024 Ω ~ 0.033 Ω
2010	SR73 2H	± 200 ± 500 ± 800 ± 100	0.75 W	2.73 V	6.84 V	— — — 0.1 Ω ~ 10 Ω	— — — 0.1 Ω ~ 10 Ω	— 0.056 Ω ~ 0.091 Ω 0.033 Ω ~ 0.051 Ω —
2512	SR73 3A	± 200 ± 500 ± 800	1.0 W	3.16 V	7.90 V	— — —	— 0.1 Ω ~ 10 Ω —	— 0.1 Ω ~ 10 Ω 0.056 Ω ~ 0.091 Ω 0.039 Ω ~ 0.051 Ω