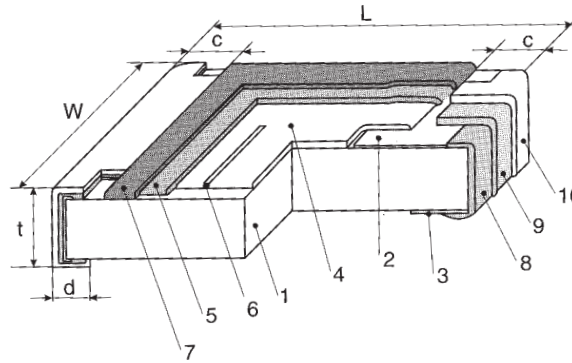
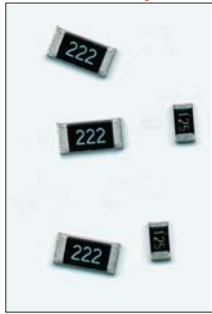


## FLAT CHIP THICK FILM HIGH VOLTAGE HV73

**NEW**



### 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

### IDENTIFICATION

TYPE	COATING COLOR	MARKING
HV73	Black	White, 3 digits

Products with Pb-free terminations meet RoHS requirements

### TYPE DESIGNATION (HOW TO ORDER)

New Part No. (Pb-free)	HV73	2B	T	TD	1004	F
PRODUCT CODE						
STYLE		2A: 0.125W 2B: 0.25W				
TERMINATION SURFACE MATERIAL			T: Sn			
TAPING*				TD, BK		
NOMINAL RESISTANCE					J, G: 3 digits D, F: 4 digits	
TOLERANCE						D: ±0.5% F: ±1% G: ±2% J: ±5%

\*Please see "PACKAGING"

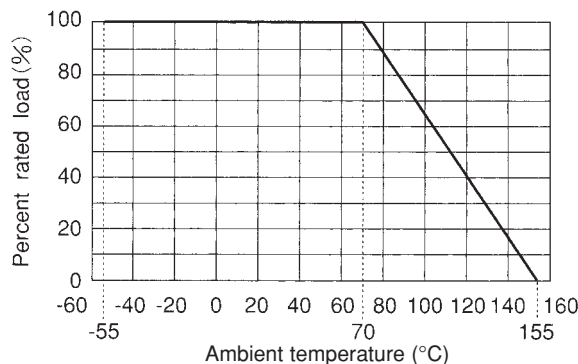
### FEATURES

- Superior to RK73-series in maximum working voltage
- RuO<sub>2</sub> thick film resistor element
- Anti-leaching nickel barrier terminations
- Excellent heat resistance and moisture resistance are ensured by the use of metal glaze thick film
- Ideal for use in AV adapters, LCD back-light, camera strobe etc.
- Rated ambient temperature: +70°C
- Operating temperature range: -55°C...+155°C
- Meets or exceeds IEC 60115-8, JIS C 5201-8, EIAJ RC-2134A
- Suitable for reflow and wave soldering

### DIMENSIONS (mm)

SIZE	TYPE	L ±0.2	W	c	d	t ±0.1
0805	HV73 2A	2.0	1.25 ± 0.1	0.4 ± 0.2	0.3 <sup>+0.2</sup> <sub>-0.1</sub>	0.5
1206	HV73 2B	3.2	1.6 ± 0.2	0.5 ± 0.3	0.4 <sup>+0.2</sup> <sub>-0.1</sub>	0.6

### DERATING CURVE



### RATING

SIZE	TYPE	T.C.R. (ppm/K)	POWER* RATING	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE**	RESISTANCE RANGE (E24)			
						D (±0.5%)	F (±1%)	G (±2%)	J (±5%)
0805	HV73 2A	± 100	0.125 W	400 V	800 V	100 kΩ ... 1 MΩ	100 kΩ ... 10 MΩ	100 kΩ ... 10 MΩ	100 kΩ... 10 MΩ
		± 200				—	—	11 MΩ... 51 MΩ	
1206	HV73 2B	± 100	0.25 W	500 V	1000 V	100 kΩ ... 1 MΩ	100 kΩ ... 10 MΩ	100 kΩ ... 10 MΩ	100 kΩ... 10 MΩ
		± 200				—	—	11 MΩ... 51 MΩ	

\* For resistors operated at an ambient temperature of +70°C or above, the power rating shall be derated in accordance with the above derating curve.

\*\* Max. overload voltage is specified by D.C. voltage. When using in A.C. voltage, the peak value of A.C. voltage shall not exceed the maximum overload voltage.