

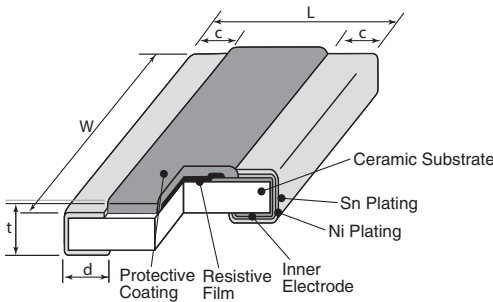
NEW



features

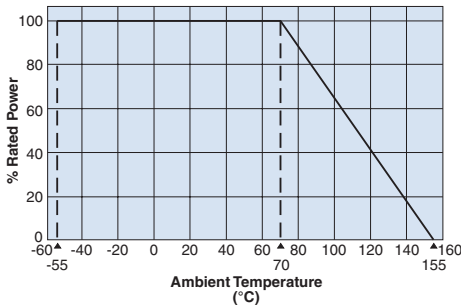
- Superior to WK73 series in pulse withstanding voltage
- Suitable for both flow and reflow solderings
- This products meet EU RoHS requirements
- AEC-Q200 Qualified

dimensions and construction

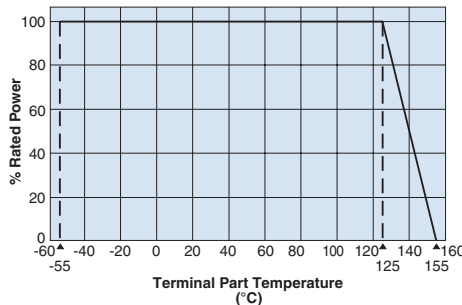


	Type (Inch Size Code)	Dimensions inches (mm)				
		L	W	c	d	t
NEW	2B (0612)	$.063 \pm .008$ ($1.6 \pm .02$)	$.126 \pm .012$ ($3.2 \pm .03$)	$.012 \pm .008$ (0.3 ± 0.2)	$.018 \pm .006$ (0.45 ± 0.15)	$.024 \pm .004$ (0.6 ± 0.1)
		$^{+.004}_{+.01}$	$^{+.004}_{+.01}$			
	2H (1020)	$.098 \pm .006$ (2.5 ± 0.15)	$.197 \pm .006$ (5.0 ± 0.15)	$.016 \pm .008$ (0.4 ± 0.2)	$.030 \pm .006$ (0.75 ± 0.15)	$.024 \pm .004$ (0.6 ± 0.1)
NEW	3A (1225)	$.122 \pm .004$ ($3.1 \pm .01$)	$.248 \pm .006$ (6.3 ± 0.15)	$.018 \pm .008$ (0.45 ± 0.2)	$.030 \pm .006$ (0.75 ± 0.15)	$.024 \pm .004$ (0.6 ± 0.1)
		$^{+.008}_{+.02}$				

Derating Curve



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



For resistors operated terminal temperature of described for each size or above, a power rating shall be derated in accordance with the derating curve. Please refer to "Introduction of the derating curve based on the terminal part temperature" in the beginning of our catalog before use.

ordering information

WG73	2H	T	TE	101	K
Type	Power Rating	Termination Surface Material	Packaging	Nominal Resistance	Resistance Tolerance
	NEW 2B: 1W 2H: 1W NEW 3A: 2W	T : Sn	TD: 4mm pitch punch paper TE: 4mm pitch embossed plastic For further information on packaging, please refer to Appendix A	3 digits	K: ±10% M: ±20%

wide terminal type surge current flat chip resistors (anti surge)

applications and ratings

	Part Designation	Power Rating	Rated Ambient Temperature	Rated Terminal Part Temperature	T.C.R. (X 10 ⁻⁶ /K)	Resistance Range (Ω)		Maximum Working Voltage	Maximum Overload Voltage	Operating Temperature Range
						K±10% E-12	M±20% E-12			
NEW	WG732B	1.0W	70°C	125°C	±100	560m ~ 1k	560m ~ 1k	200V	400V	-55°C to +155°C
	WG732H	1.0W	70°C	125°C	±100	560m ~ 1k	560m ~ 1k	200V	400V	-55°C to +155°C
NEW	WG733A	2.0W	70°C	125°C	±100	560m ~ 1k	560m ~ 1k	200V	400V	-55°C to +155°C

Rated voltage = $\sqrt{\text{Power rating} \times \text{resistance value}}$ or max. working voltage, whichever is lower

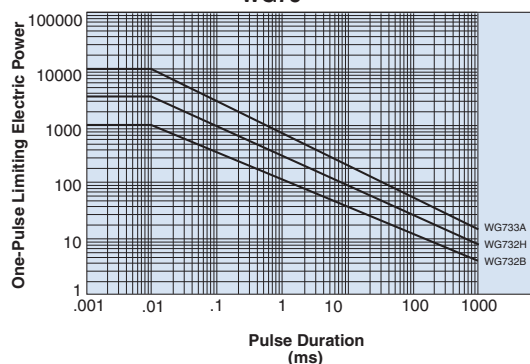
If any questions arise whether to use the "Rated Ambient Temperature" or the "Rated Terminal Part Temperature" in your usage conditions, please give priority to the "Rated Terminal Part Temperature."

Prior to use and for more details, please refer to the "Introduction of the derating curves based on the terminal part temperature" in the beginning of our catalog.

environmental applications

One-Pulse Limiting Electric Power

WG73



Performance Characteristics

Parameter	Requirement $\Delta R \pm (\%+0.005\Omega)$		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%	±0.2%	Rated voltage (DC) x 2.5 for 5 seconds
Resistance to Solder Heat	±1%	±0.2%	260°C ± 5°C, 10 seconds ± 1 second
Bending Test	±1%	±0.1%	Holding point 90mm, Bending 1 time, Bending 5mm
Rapid Change of Temperature	±0.5%	±0.3%	-55°C (30 minutes), +125°C (30 minutes), 100 cycles
Moisture Resistance	±2%	±0.2%	40°C ± 2°C, 90%-95% RH, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
Endurance at 70°C	±2%	±0.2%	70°C ± 2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
High Temperature Exposure	±1%	±0.2%	+155°C, 1000 hours