

WU73

wide terminal type low resistance, low T.C.R flat chip resistors

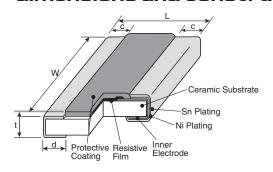


features

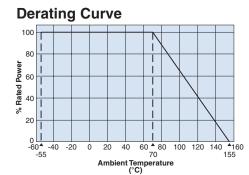


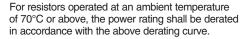
- · Wide terminal type flat chip resistor
- High reliability and performance with T.C.R. ±75 x 10⁻⁶/K, resistance tolerance ±1%
- Suitable for flow and reflow solderings
- This product meets EU RoHS requirements.
 EU RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.
- AEC-Q200 Tested

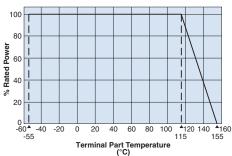
dimensions and construction

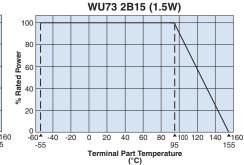


Туре	Dimensions inches (mm)						
(Inch Size Code)	L	W	С	d	t		
2B	.063±.006	.126±012	.016±.008	.018±.006	.024±.004		
(0612)	(1.6±0.15)	(3.2±-0.3)	(0.4±0.2)	(0.45±0.15)	(0.6±0.1)		
2B15	.063±.006	.126±012	.016±.008	.018±.006	.024±.004		
(0612)	(1.6±0.15)	(3.2±-0.3)	(0.4±0.2)	(0.45±0.15)	(0.6±0.1)		





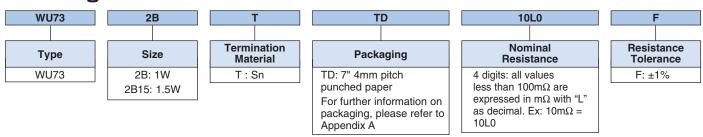




For resistors operated at a terminal part temperature of described for each size or above, the power rating shall be derated in accordance with the above derating curve.

Please refer to the "Introduction of the derating curves based on terminal part temperature" in the beginning of the catalog.

ordering information



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

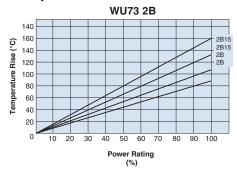
Part Designation	Power Rating	Rated Ambient Temperature	Rated Terminal Part Temperature	T.C.R. (X 10 ⁻⁶ /K)	Resistance Range (Ω) E-24, 25m, 50m	Resistance Tolerance	Operating Temperature Range
WU732B 1.0W		115°C	±100	10m~12m	F: ±1%	-55°C to +155°C	
	70°C		±75	13m~27m			
			±100	30m~100m			
WU732B15 1.5W			±100	10m~12m		5500 4-	
	1.5W	70°C	95°C	±75	13m~27m	F: ±1%	-55°C to +155°C
				±100	30m~100m		+100 0

Rated voltage = $\sqrt{\text{Power rating x resistance value}}$

If any questions should arise whether to use the "Rated Ambient Temperature" or the "Rated Terminal Part Temperature," please give priority to the "Rated Terminal Part Temperature." Prior to use and for more details refer to "Introduction of the derating curves on the terminal part temperature" in the beginning of the catalog.

environmental applications

Temperature Rise



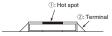
Regarding the temperature rise, the value of the temperature varies per conditions and board for use since the temperature is measured under our measuring conditions.

One-Pulse Limiting Electric Power WU73 2B/2B15



The maximum applicable voltage is equal to the max. overload voltage. Please contact factory for resistance characteristics of continuous applied pulse.





Performance Characteristics

	Requirement Δ R ±(%+0.005 Ω)			
Parameter	Limit	Typical	Test Method	
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 x 2 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	±2%	±0.3%	-55°C (30 minutes), +125°C (30 minutes), 1000 cycles	
Moisture Resistance	±2%	±0.1%	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%	±0.1%	+155°C, 1000 hours	

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

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12/10/20