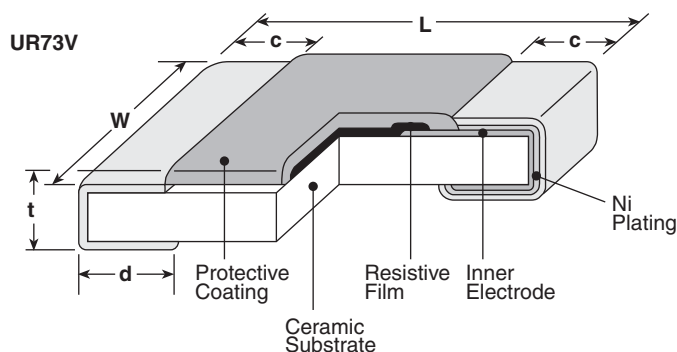


NEW

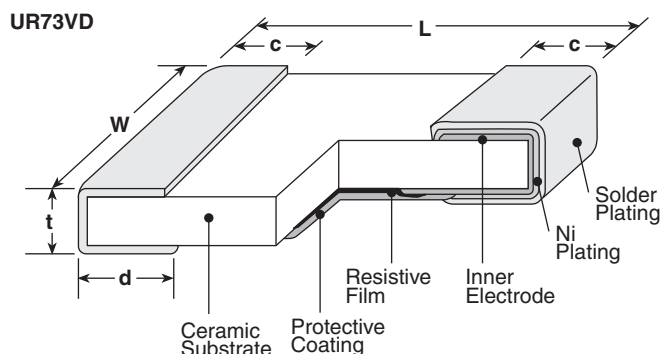
features

- Current detecting resistors for power supplies, motor circuits, etc.
- Low resistance (100mΩ or under) and high accuracy (±1%) for current detection
- High reliability and performance with T.C.R. $\pm 100 \times 10^{-6}/K$
- Suitable for flow and reflow solderings
- Black body color
- Products will meet EU RoHS requirements
- AEC-Q200 qualified

dimensions and construction



Size Code	Resistance Range (Ω)	Dimensions inches (mm)				
		L	W	c	d	t
UR73VD 2B (1206)	10m	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.016±.012 (0.4±0.3)	.049±.008 (1.25±0.2)	.024±.004 (0.6±0.1)
	15m				.045±.008 (1.15±0.2)	
	20m				.043±.008 (1.1±0.2)	
	25m				.039±.008 (1.0±0.2)	
UR73V 2B (1206)	30m	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.039±.012 (1.0±0.3)	.016 ^{+.008} _{-.004}	.024±.004 (0.6±0.1)
	50m, 75m, 100m				.026±.012 (0.65±0.3)	



ordering information

New Part #	UR73V	2B	T	TD	30L0	F
Type	UR73V UR73VD: Face-down	Power Rating	Termination Material	Packaging	Nominal Resistance	Tolerance
		2B: 0.5W	T: Sn	TD: 4mm pitch punch paper	4 characters Ex: 30L0: 30mΩ R100: 100mΩ 10L0: 10mΩ	F: ±1%

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

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

8/13/15

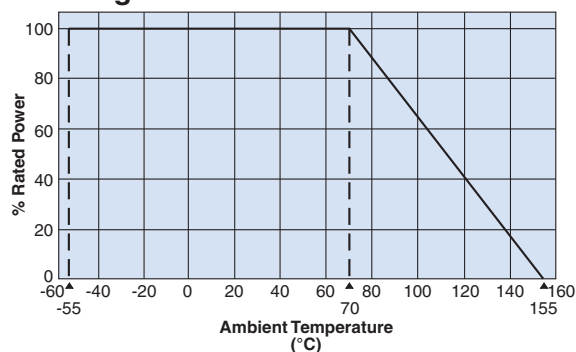
applications and ratings

Part Designation	Power* Rating	T.C.R. (ppm/°C) Max.	Resistance Range (Ω)	Resistance Tolerance	Rated Ambient Temperature	Rated Terminal Temperature	Operating Temperature Range
UR73VD 2B	0.5W	0~+250	10m	F: ±1%	70°C	90°C	-55°C to +155°C
		±100	15m, 20m, 25m				
UR73V 2B	0.5W	±100	30m, 50m, 75m, 100m				

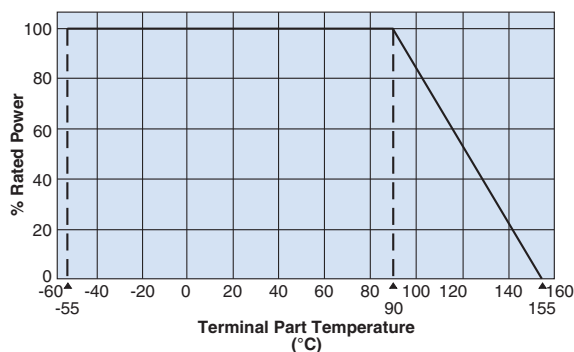
* Rated voltage = $\sqrt{\text{Power Rating} \times \text{Resistance Value}}$

environmental applications

Derating Curve



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.



For resistors operated at a terminal part temperature of 90°C or above, the power rating shall be derated in accordance with the above derating curve.

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%	±0.5%	Rated power x 2.5 for 5 seconds
Resistance to Solder Heat	±1%	±0.3%	260°C ± 5°C, 10 ± 1 second
Rapid Change of Temperature	±1%	±0.5%	-55°C (30 minutes), +125°C (30 minutes), 100 cycles
Moisture Resistance	±2%	±1%	40°C ± 2°C, 90%~95%RH, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
Endurance at 70°C	±2%	±1%	70°C ± 2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
High Temperature Exposure	±1%	±0.3%	+155°C, 1000 hours