

wide terminal type flat chip resistors

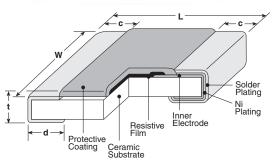




features

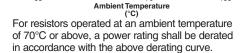
- Wide-side termination (reverse-geometry) type flat chip resistor
- High reliability and performance with T.C.R. ±100 x 10-6/K, resistance tolerance ±1%
- Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.
- AEC-Q200 Qualified

dimensions and construction

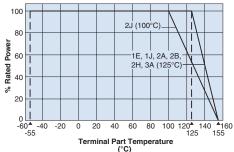


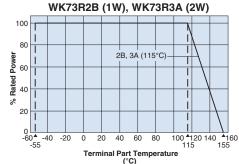
	Туре	Dimensions inches (mm)							
	(Inch Size Code)	L	W	С	d	t			
NE	1E (0204)	.020±.002 (0.5±0.05)	.039±.002 (1.0±0.05)	.004±.002 (0.1±0.05)	.006±.002 (0.15±0.05)	.014±.002 (0.35±0.05)			
NE	NEW 1J .031±.0 (0.8±0.		.063±.004 (1.6±0.1)	.006±.004 (0.15±0.1)	.008±.004 (0.2±0.1)	.018±.004 (0.45±0.1)			
NE	NEW 2A .049= (0508) (1.25=		.079±.006 (2.0±0.15)	.012±.008 (0.3±0.2)	.014±.008 (0.35±0.2)	.022±.004 (0.55±0.1)			
	2B (0612)	.063±.006 (1.6±0.15)	.126±.008 (3.2±0.2)	.012±.008 (0.3±0.2)	.018±.006 (0.45±0.15)				
	2H (1020)	.098±.006 (2.5±0.15)	.197±.006 (5.0±0.15)	.016±.008 (0.4±0.2)		.024±.004			
	2J (1218)	.122±.006 (3.1±0.15)	.181±.006 (4.6±0.15)	.016±.008 (0.4±0.2)	.030±.006 (0.75±0.15)	(0.6±0.1)			
	3A (1225)	.122±.006 (3.1±0.15)	.252±.006 (6.3±0.15)	.018±.008 (0.45±0.2)					

Derating Curve 100 80 Rated Power 60 20 100 120 140 -40 40 60 **A** 8 80



-55





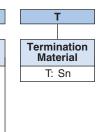
For resistors operated terminal temperature of described for each size or above, a power rating shall be derated in accordance with the derating curve above.

Please refer to "Introduction of the derating curve based on the terminal part temperature" in the beginning of our catalog before use.

If you want to use at rated power (*1), use derating curves based on the terminal part temperature on the right side graph.

ordering information





TE						
	Packa	aging				
TP:	0204: 7" 2r punched pa					
TD:	0306, 0508	3, 0612: 7"				

punched paper
TD: 0306, 0508, 0612: 7"
4mm pitch punched paper
ΓΕ: 1020, 1218, 1225:
7" embossed plastic
ΓED: 1020, 1218, 1225:
10" ambassad plastic

10" embossed plastic For further information on packaging, please refer to Appendix A

33L0					
Nominal Resistance					
$\pm 1\%$: 3 significant figures + 1 multiplier "R" indicates decimal on value <100 Ω					

±5%: 2 significant figures + 1 multiplier "R" indicates decimal on values <10 Ω

All values less than 0.1Ω (100m Ω) are expressed in m Ω with "L" as decimal. Ex: $33m\Omega$, 1% = 33L0

Resistance Tolerance
D: ±0.5%
F: ±1%
J: ±5%
•

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

10/25/18





wide terminal type flat chip resistors

applications and ratings

	Part Designation	Power Rating	Rated Ambient Temp.	Rated Terminal Part Temp.	T.C.R. (X 10 ⁻⁶ /K)	D±0.5% E-24/E-96	esistance Rang F±1% E-24/E-96	je (Ω) J±5% E-24	Maximum Working Voltage	Maximum Overload Voltage	Operating Temp. Range
NEW	WK73R1E	0.33W1		125°C	±100		10 -1M	10 - 1M	75V	100V	
NEW	WK73R1J	0.5W1	_	125°C	±100	_	10 - 1M	10 - 1M	150V	200V	
NEW	WK73R2A	0.75W1	_	125°C	±100		20.5k - 1M	22k - 1M	200V	400V	-55°C to +155°C
INEVV		1.0W1		125°C	±100		10 - 20k	10 - 20k			
	WK73R2B	0.75W	70°C	125°C	±100	10 - 1M	10 - 1M	10 - 1M	- 200V	400V	
		1.0W1		115°C	±100	10 - 9.76k	10 - 9.76k	10 - 9.1k			
	WK73R2H	R2H 1.0W 70°C	70°C	125°C	±100	_	10 - 430k	10 - 430k	- 200V	400V	
	WK/3hZH		70 0		±200		432k - 1M	470k - 1M			
	WK73R2J	K73B2J 1.0W	70°C	100°C	±100	_	10 - 510k	10 - 510k	200V	400V	
	WK/3H2J	1.000	70 0	100 C	±200	_	511k - 1M	560k - 1M	200 V	400 V	
	WK73R3A	1.5W	70°C	125°C	±100	_	10 - 330k	10 - 330k			
		1.5	700	123 0	±200	_	332k - 1M	360k - 1M	200V	400V	
	WICISHSA	2.0W ¹ —		— 115°C	±100	_	10 - 330k	10 - 330k	_		
				1.5 0	±200	_	332k - 1M	360k - 1M			

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

environmental applications

Performance Characteristics

	Requirement Δ	R ±(%+0.005Ω)			
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%	WK73R1E (0.33W), WK73R1J (0.5W), WK73R2A (0.75W, 1W)WK73R3A (2W): Rated voltage x2.0 for 5 seconds. WK73R2B, R2H, R2J, R3A: Rated voltage x2.5 for 3 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	±3%: 1E ±2%: All others	±1%: 1E ±0.2%: All others	40°C ± 2°C, 90%-95% RH, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle		
Endurance at 70°C	±3%: 1E ±2%: All others	±1%: 1E ±0.2%: All others	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		

If you want to use at rated power use derating curves based on the terminal part temperature on the right side graph located on previous page. If any questions arise whether to use the "Rated Ambient Temperature" or the "Rated Terminal Part Temperature", please give priority to the "Rated Terminal Part Temperature." For more details refer to the "Introduction of the derating curves based on the terminal part temperature" in the beginning of the catalog

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

KOA Speer:

WK73R2JTTE132J WK73R2HTTE1000F WK73R2HTTE20R0F WK73R2HTTE182J WK73R3ATTE220J WK73R3ATTE391J WK73R3ATTE330J WK73R3ATTE301J WK73R2HTTE100J WK73R2HTTE241J WK73R2HTTE1001F WK73R2HTTE1002F WK73R2HTTE101J WK73R2HTTE102J WK73R2HTTE103J WK73R2HTTE104J WK73R2HTTE121J WK73R2HTTE122J WK73R2HTTE132J WK73R2HTTE151J WK73R2HTTE152J WK73R2HTTE10R0F WK73R3ATTE471J WK73R3ATTE750J WK73R3ATTE102J WK73R3ATTE101J WK73R3ATTE1001F WK73R2HTTE153J WK73R3ATTE1000F WK73R3ATTE100J WK73R2HTTE202J WK73R3ATTE472J WK73R2HTTE222J WK73R3ATTE103J WK73R3ATTE911J WK73R2HTTE331J WK73R2HTTE330J WK73R2HTTE272J WK73R2HTTE242J WK73R3ATTE10R0F WK73R2JTTE363J WK73R2JTTE364J WK73R2JTTE36R0F WK73R2JTTE3900F WK73R2JTTE3901F WK73R2JTTE3902F WK73R2JTTE3903F WK73R2JTTE390J WK73R2JTTE391J WK73R2JTTE392J WK73R2JTTE393J WK73R2JTTE394J WK73R2JTTE39R0F WK73R2JTTE4300F WK73R2JTTE4301F WK73R2JTTE4302F WK73R2JTTE4303F WK73R2JTTE430J WK73R2JTTE431J WK73R2JTTE432J WK73R2JTTE433J WK73R2JTTE434J WK73R2JTTE4700F WK73R2JTTE4701F WK73R2JTTE4702F WK73R2JTTE4703F WK73R2JTTE471J WK73R2JTTE472J WK73R2JTTE473J WK73R2JTTE474J WK73R2JTTE47R0F WK73R2JTTE5100F WK73R2JTTE5101F WK73R2JTTE5102F WK73R2JTTE5103F WK73R2JTTE510J WK73R2JTTE511J WK73R2JTTE512J WK73R2JTTE513J WK73R2JTTE514J WK73R2JTTE51R0F WK73R2JTTE5600F WK73R2JTTE5601F WK73R2JTTE5602F WK73R2JTTE5603F WK73R2JTTE560J WK73R2JTTE561J WK73R2JTTE562J WK73R2JTTE563J WK73R2JTTE564J WK73R2JTTE56R0F WK73R2JTTE6200F WK73R2JTTE6201F WK73R2JTTE6202F WK73R2JTTE6203F WK73R2JTTE620J WK73R2JTTE621J WK73R2JTTE622J WK73R2JTTE623J WK73R2JTTE624J