

Surface Mount Thick Film Resistors
RK73 Series, Specifications



Part Number Determination

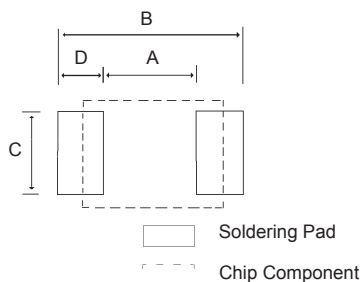
RK73B2BLTD102J					
RK73B	2B	L	TD	102	J
SERIES	SIZE	TERMINATION	PACKAGING	RESISTANCE	TOLERANCE
RK73B=Genl Purp 2% / 5% Thick Film Resistor	1H=0201 1E=0402 1J=0603 2A=0805 2B=1206 2E=1210 2H=2010 3A=2512	X=AgPd** G=Au* L=SnPb (Tin/Lead) T=Sn (100% Tin) **=1J, 2A, 2B only *=1E & 1J only	TB=2mm pitch, pressed paper (0201 only) TP=2mm pitch, punch paper (0402 & 0603 only) TD=7" paper tape TDD=10" paper tape TE=7" embossed plastic tape TED=10" embossed plastic tape	For 2%/5%= 2 significant digits + 1 multiplier For 0.5%/1%= 3 significant digits + 1 multiplier For jumper =blank	D=±0.5% F=±1% G=±2% J=±5% For Jumper=Blank

Electrical Characteristics

Series	RK73B1H RK73Z (0201)	RK73H1E RK73B1E RK73Z (0402)			RK73H1J RK73B1J RK73Z (0603)			RK73H2A RK73B2A RK73Z (0805)			RK73H2B RK73B2B RK73Z (1206)			RK73H2E RK73B2E RK73Z (1210)			RK73B2H RK73Z (2010)		RK73B3A RK73Z (2512)	
Power Rating @ 70°C	50mW	63mW			100mW			125mW			250mW			500mW 330mW			750mW		1000mW	
T.C.R. (ppm/°C) Max.	200	100	200	400	100	200	400	100	200	400	100	200	400	100	200	400	200	400	200	400
Resistance Range E24 5%	1Ω-10MΩ		10- 10M	1.0- 9.1		10- 1M	9.1, 1.1M- 10M		10- 1M	9.1, 1.1M- 10M		10- 5.6M	9.1, 6.2M- 22M		10- 5.6M	9.1, 6.2M- 10M	10- 5.6M	9.1, 6.2M- 10M	10- 5.6M	9.1, 6.2M- 10M
Resistance Range E96 1%		10- 1M			10- 1M		1.0- 9.76	10- 1M		1.0- 9.76, 1.0M- 10M	10- 1M	1.02M -5.6M	1.0- 9.76, 5.6M -10M	10- 1M	1.02M -5.6M	1.0- 9.76, 5.6M- 10M				
Absolute Max Working Volt	25V	50V						150V			200V									
Absolute Max Overload Volt	50V	100V						300V			400V									
Operating Temp Range	-55 ~ +125°C	-55 ~ +155°C																		
Zero ohm Jumper																				
Max Continuous Current @ 70°C	0.5A	1.0 Amps						2.0 Amps												
Max Surge Current @ 70°C	1.0A	2 Amp Max for < 1 second						5 Amp Max for < 1 second			10 Amp Max for < 1 second									
Max Resistance	50MΩ																			
Operating Temp. Range	-55° ~ +125°C																			

Land Pattern (mm)

Size Code	Component Size	A	B	C	D
1H (0201)	0.6X0.3	0.3	0.9	0.45	0.3
1E (0402)	1.0X0.5	0.5	1.5	0.6	0.5
1J (0603)	1.6X0.8	0.8	2.6	0.8	0.9
2A (0805)	2.0X1.25	1.2	3.0	1.2	0.9
2B (1206)	3.2X1.6	2.2	4.2	1.5	1.0
2E (1210)	3.2X2.5	2.2	4.2	2.4	1.0
2H (2010)	5.0X2.5	3.3	6.1	2.4	1.4
3A (2512)	6.4X3.2	4.4	8.0	3.0	1.8



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Package Dimensions (in/mm)

Size	L	W	c	d	t	EIA Size
1H (0201)	.024±.001 0.6±0.03	.012±.001 0.3±0.03	.004±.002 0.1±0.05	.006±.002 0.15±0.05	.009±.001 0.23±0.03	0502
1E (0402)	.039±.004-.002 1.0±0.1-0.05	.02±.002 0.5±0.05	.008±.004 0.2±0.1	0.1+-.002-.004 0.25+0.05+0.1	0.14±.002 0.35±0.05	1005
1J (0603)	0.63±.008 1.6±0.2	0.31±.004 0.8±0.1	0.12±.004 0.3±0.1	0.12±.004 0.3±0.1	0.18±.004 0.45±0.1	1608
2A (0805)	.079±.008 2.0±0.2	0.49±.004 1.25±0.1	0.16±.008 0.4±0.2	.012+-.008-.004 0.3+0.2-0.1	.02±.004 1.5±0.1	2012
2B (1206)	.126±.008 3.2±0.2	0.63±.008 1.6±0.2	0.2±0.12 0.5±0.3	0.16+-.008-.004 0.4+0.2-0.1	0.24±.004 0.6±0.1	3216
2E (1210)		.102±.008 2.6±0.2				3225
2H (2010)	.197±.008 5.0±0.2	.098±.008 2.5±0.2				5025
3A (2512)	.248±.008 6.3±0.2	.122±.008 3.1±0.2				6332

Construction

