



SPEER ELECTRONICS, INC.

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=Gen'l Purp 2% / 5% Thick Film Resistor	1F=01005 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	TC=2mm pitch, punched paper (0201) TB=2mm pitch, pressed paper (01005) TP=2mm pitch, punch paper (0402 & 0603) TD=7" paper tape (0805, 1206 & 1210) TDD=10" paper tape TE=7" embossed plastic tape (2010 & 2512) 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	RK73B1F (01005)		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	1/32W		1/20W		1/16W		1/10W		1/8W		1/4W		1/2W 1/3W		3/4W		1W					
T.C.R. (ppm/°C) Max.	250	300	400	200	100	200	400	100	200	400	100	200	400	100	200	400	200	400	200	400		
Resistance Range E24 5% (Ω)	6.8K- 1M	10- 6.2K	1.0- 9.1	10- 10M		1.0- 10M		1.0- 10M	11M- 22M	1.0- 1M	1.1M- 22M	1.0- 5.6M	6.2M- 22M	10- 5.6M		1.0- 5.6M	6.2M- 22M	1.0- 5.6M	6.2M- 22M	1.0- 5.6M	6.2M- 22M	
Resistance Range E96 1% (Ω)			10- 1M	10- 1M	1.0- 9.76	1.0- 1.02M- 10M	10- 1M	1.0- 9.76	1.0- 1.02M- 10M	10- 1M	1.0- 9.76	1.0- 1.02M- 10M	10- 1M	1.0- 9.76	5.6M- 10M	10- 1M	1.0- 9.76	5.6M- 10M				
Absolute Max Working Volt	15V		25V		50V				150V				200V									
Absolute Max Overload Volt	30V		50V		100V				300V				400V									
Operating Temp Range	-55 ~ +125°C		-55 ~ +125°C		-55 ~ +155°C																	
Zero ohm Jumper																						
Max Continuous Current @ 70°C	N/A		0.5A		1.0 Amps				2.0 Amps													
Max Surge Current @ 70°C	N/A		1.0A		2 Amp Max for < 1 second				5 Amp Max for < 1 second		10 Amp Max for < 1 second											
Max Resistance	N/A		50MΩ																			
Operating Temp. Range	N/A		-55° ~ +125°C																			

Land Pattern (mm)

Size Code	Component Size	A	B	C	D
1F (01005)	0.4x0.02	0.12	0.48	0.18	0.18
1H (0201)	0.6X0.3	0.25	0.7	0.3	0.225
1E (0402)	1.0X0.5	0.5	1.5	0.6	0.5
1J (0603)	1.6X0.8	1.0	2.0	0.6	0.5
2A (0805)	2.0X1.25	1.3	2.5	1.05	0.6
2B (1206)	3.2X1.6	2.2	4.0	1.4	0.9
2E (1210)	3.2X2.5	2.2	4.0	2.3	0.9
2H (2010)	5.0X2.5	3.3	6.1	2.3	1.4
3A (2512)	6.4X3.2	4.6	8.0	3.0	1.7

