

Surface Mount Precision Thin Film Resistors
RN73 Series, Specifications



Part Number Determination

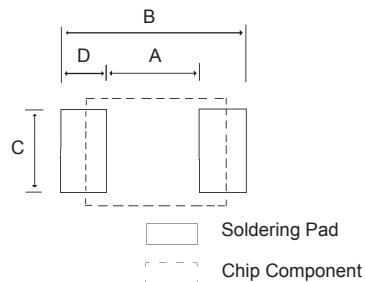
RN732ALTDK1002B25						
RN73	2A	L	TDK	1002	B	25
SERIES	SIZE	TERMINATION	PACKAGING	RESISTANCE	TOLERANCE	TEMPERATURE COEFFICIENT
Ultra Precision Thin Film Resistor	1H=0201 1E=0402 1J=0603 2A=0805 2B=1206 2E=1210	L=SnPb (Tin/Lead) T=Sn (100% Tin)	TB=2mm pitch, pressed paper (0201 only) TP=2mm pitch, punch paper (0402 & 0603 only) TD=7" paper tape (5000/reel) TDK=7" paper tape (1000/reel) TDD=10" paper tape TE=7" embossed plastic tape TED=10" embossed plastic tape	3 significant digits + 1 multiplier	A=±0.05% B=±0.1% C=±0.25% D=±0.5% F=±1%	10=10ppm/°C 25=25ppm/°C 50=50ppm/°C

Electrical Characteristics

Part Series Size	Power Rating @ 70°C	TCR (ppm/°C)	Resistance Range E-96	Working Voltage max	Overload Voltage max	Operating Temp Range
RN731J (0603)	63mW	±25	57Ω-104KΩ	50V	100V	-55°C +125°C
RN732A (0805)	100mW		15Ω-1MΩ	100V	200V	
RN732B (1206)	125mW		15Ω-1MΩ	150V	300V	

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



Package Dimensions (in/mm)

Size Code	L	W	c	d	t
1J (0603)	.063±.008 (1.6±.02)	.031±.004 (0.8±0.1)	.012±.004 (0.3±0.1)	.012±.004 (0.3±0.1)	.018±.004 (0.45±0.1)
2A (0805)	.079±.008 (2.0±0.2)	.049±.004 (1.25±0.1)	.016±.008 (0.4±0.2)	.012 ^{+0.008} _{-0.004} (0.3 ^{+0.2} _{-0.1})	.02±.004 (0.5±0.1)
2B (1206)	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.02±.012 (0.5±0.3)	.016 ^{+0.008} _{-0.004} (0.4 ^{+0.2} _{-0.1})	.024±.004 (0.6±0.1)

Construction

