



## Surface Mount Thin Film Resistors

### RN73 Series Specifications



#### Part Number Determination

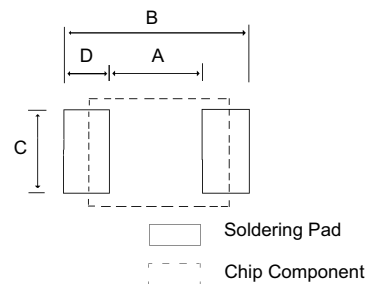
RN732ATTDK1002B25						
RN73	2A	T	TDK	1002	B	25
SERIES	SIZE	TERMINATION	PACKAGING	RESISTANCE	TOLERANCE	TEMPERATURE COEFFICIENT
Ultra Precision Thin Film Resistor	1E=0402 1J=0603 2A=0805 2B=1206 2E=1210	L=SnPb (Tin/Lead) T=Sn (100% Tin)	TP=2mm pitch, punch paper (0402 & 0603 only) TPK=7" punch paper (1000/reel) (0402 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%	05=5ppm/°C 10=10ppm/°C 25=25ppm/°C 50=50ppm/°C 100=100ppm/°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
RN731E (0402)	1/16W	±25	100Ω-100KΩ	25V	50V	-55°C +125°C
RN731J (0603)	1/16W		15Ω-150KΩ	50V	100V	
RN732A (0805)	1/10W		15Ω-1MΩ	100V	200V	
RN732B (1206)	1/8W		15Ω-1MΩ	150V	300V	

#### Land Pattern (mm)

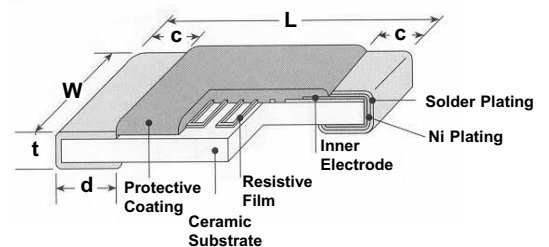
Size Code	Component Size	A	B	C	D
1E (0402)	1.0X0.5	0.5	1.5	0.6	0.5
1J (0603)	1.6X0.8	0.8	2.6	0.8	0.9
2A (0805)	2.0X1.25	1.2	3.0	1.2	0.9
2B (1206)	3.2X1.6	2.2	4.2	1.5	1.0



#### Package Dimensions (in/mm)

Size Code	L	W	c	d	t
1E (0402)	.039+.004-.002 (1.0+0.1-0.05)	.021±.002 (0.5±0.05)	.008±.004 (0.2±0.1)	.01+.002-.004 (0.25+0.05-0.1)	.014±.002 (0.35±0.05)
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+.008-.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±0.2)	.016+.008-.004 (0.4+0.2-0.1)	.024±.004 (0.6±0.1)

#### Construction



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