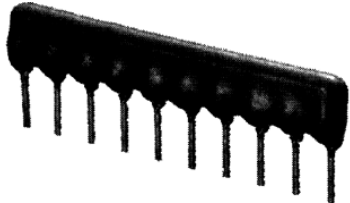


RoHS – compliant = 100% Pb – free

Dimension ( mm )	Dimension of L ( max. )	
	4 PIN : 10.2mm	9 PIN : 22.9mm
	5 PIN : 12.7mm	10 PIN : 25.4mm
	6 PIN : 15.3mm	11 PIN : 28.0mm
	7 PIN : 17.8mm	12 PIN : 30.5mm
	8 PIN : 20.4mm	13 PIN : 33.1mm
		14 PIN : 35.6mm



RNL -A (single common)	RNL -B (isolated)	RNL -D (neck and neck)
<p><math>R1=R2=.....Rn</math></p>	<p><math>R1=R2=.....Rn</math></p>	<p><math>R1=R2=.....Rn</math></p>
RNL -E (ladder)	RNL -L (R/2R ladder)	RNL -R (double-sided)
<p><math>R1=R2</math> or <math>R1\neq R2</math></p>		<p><math>R1=R2</math> or <math>R1\neq R2</math></p>

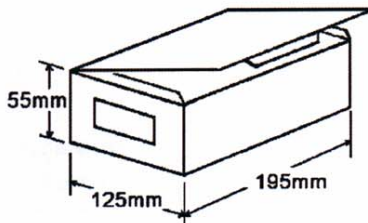
**Custom Design Circuit could be available on a case to case basis.**

Power Rating at 70°C	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Resistance Range	Resistance Tolerance	Operating Temp. Range
B Type: 0.2W Others: 0.125W	100V	150V	200V	R Type: 100Ω~10KΩ Others: 10Ω~1M	±2% ±5%	-55°C~+125°C

<p><b>Temperature coefficient</b> 50Ω ~ 1MΩ: ±200PPM/°C &lt;50Ω &amp; &gt;1MΩ: ±250PPM/°C</p> <p><b>Short time overload</b> <math>\Delta R/R \leq \pm(0.5\% + 0.1\Omega)</math></p> <p><b>Insulation Resistance</b> Min. 10,000 Mega ohm.</p> <p><b>Dielectric withstanding voltage</b> No Evidence of flashover, arcing or insulation breakdown.</p> <p><b>Terminal strength</b> <math>\Delta R/R \leq \pm(0.5\% + 0.1\Omega)</math></p> <p><b>Resistance to soldering heat</b> <math>\Delta R/R \leq \pm(0.5\% + 0.1\Omega)</math></p> <p><b>Solderability</b> Covering 95%.</p> <p><b>Thermal shock</b> <math>\Delta R/R \leq \pm(0.5\% + 0.1\Omega)</math></p> <p><b>Temperature cycling</b> <math>\Delta R/R \leq \pm(0.5\% + 0.1\Omega)</math></p> <p><b>Load life in humidity</b> <math>\Delta R/R \leq \pm(3\% + 0.1\Omega)</math></p> <p><b>Load life</b> <math>\Delta R/R \leq \pm(3\% + 0.1\Omega)</math></p>	<p><b>Dual Terminators ( R1 / R2 / Ohm )</b></p> <table border="1"> <tbody> <tr> <td>160/240</td> <td>330/390</td> </tr> <tr> <td>180/390</td> <td>330/470</td> </tr> <tr> <td>220/270</td> <td>1.5K/3.5K</td> </tr> <tr> <td>220/330</td> <td>3.0K/6.2K</td> </tr> </tbody> </table> <p><b>Special Values available on case to case basis.</b></p>	160/240	330/390	180/390	330/470	220/270	1.5K/3.5K	220/330	3.0K/6.2K	<p><b>Derating Curve</b></p>
160/240	330/390									
180/390	330/470									
220/270	1.5K/3.5K									
220/330	3.0K/6.2K									

# Resistor Network-SIP Series:

## Standard Packing of Resistor Network



No. of Pins	Weight Of 1,000pcs	Qty. Per Bag	Qty. Per Box	Qty. Per Carton
4	210g	500	5,000	75,000
5	250g	400	4,000	60,000
6	320g	300	3,000	45,000
7	360g	200	2,000	30,000
8	430g	200	2,000	30,000
9	450g	150	1,500	22,500
10	530g	150	1,500	22,500
11	600g	100	1,000	15,000
12	650g	100	1,000	15,000
13	710g	100	1,000	15,000
14	770g	100	1,000	15,000

• Standard Carton dimension (mm) : 395×367×195

4E-RNL-	A-	10-	G-	10k-Ohm
Product Type				
Fill – in	"4E-RNL"	A	G	10 000 Ohm
to indicate				
"Resistor Network Low Profile"	Circuit Type	Number of Pins	Tolerance	Resistance Value
		04 = 4 pins, 05 = 5 pins, 06 = 6 pins, 07 = 7 pins, 08 = 8 pins, 09 = 9 pins, 10 = 10 pins, 11 = 11 pins, 12 = 12 pins, 13 = 13 pins, 14 = 14 pins	G = ± 2% J = ± 5%	E-24 Series
	A = Single Common B = Isolated D = Neck and Neck E = Ladder L = R / 2R Ladder R = Double Sided			