
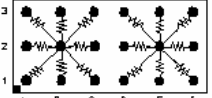
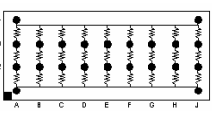
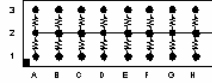
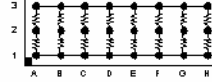

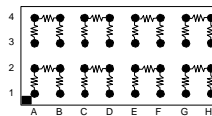


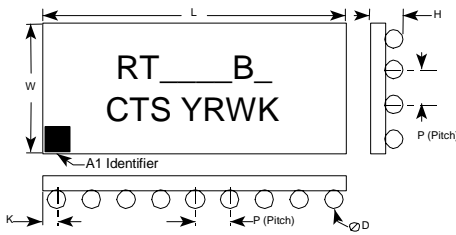
RoHS Compliant part numbers begin with "RT2" (example RT2200B7)

Contact CTS if you have a new design request or application.

Configuration	Cols	R1Ω	R2Ω	Pitch 1.00mm	Pitch 1.27mm
<b>C</b> Isolated Configuration  	<b>8</b>	10		RT1200B7	
		15		RT116B7	
		22		RT1232B7	
		25		RT1233B7	
		33		RT1202B7	
		38		RT101B7	
		50		RT1235B7	
		56			RT119B6
	100		RT1710B7	RT1710B6	
	<b>9</b>	18		RT1406B7	
		22		RT1405B7	RT1405B6
		25		RT1404B7	RT1404B6
		27		RT1409B7	
		33		RT1463B7	RT1463B6
		47		RT1465B7	RT1465B6
		50		RT1460B7	RT1460B6
10,000			RT128B7		
<b>16</b>	10		RT1201B7		
	22		RT104B7		
	33		RT1203B7		
	50		RT1205B7	RT1205B6	
	100		RT1236B7		
<b>D</b> Star Configuration  	<b>3</b>	22		RT1100B7	
		25			RT1450B6
		56			RT1453B6
		150			RT1410B6
	<b>6</b>	22		RT1101B7	RT1101B6
25				RT1451B6	
56				RT1454B6	
<b>12</b>	150			RT1411B6	
	22		RT1102B7	RT1102B6	
	25			RT1452B6	
	28			RT1421B6	
	33			RT1425B6	
	39			RT1423B6	
	56			RT1427B6	
	150		RT1412B7	RT1412B6	
<b>E</b> Thevenin Configuration  	<b>10,000</b>			RT130B7	
				RT131B7	
		22,000			
	<b>9</b>	330	150		RT1320B6
475		121		RT1300B6	

Configuration	Cols	R1Ω	R2Ω	Pitch 1.00mm	Pitch 1.27mm	
<b>F</b> Center Bus Configuration  	<b>4</b>	1,000		RT1435B7	RT1435B6	
		4,700		RT1415B7	RT1415B6	
		8,200		RT1416B7	RT1416B6	
	<b>8</b>	28		RT1420B7	RT1420B6	
		33			RT1424B6	
		39			RT1422B6	
	<b>9</b>	56		RT1426B7	RT1426B6	
		1,000			RT1436B6	
		2,700	33		RT120B6	
		4,700		RT1417B7	RT1417B6	
		8,200		RT1418B7	RT1418B6	
		25		RT1403B7	RT1403B6	
<b>G</b> Thevenin Configuration  	<b>9</b>	100		RT1220B7		
		<b>8</b>	100		RT1510B7	
			110		RT1505B7	
	130			RT1500B7		
	127		82.5	RT1250B7	RT1250B6	
	150		75	RT134B7		
	220	1,800	RT1211B7			
	250	62.5	RT1251B7	RT1251B6		
330	470	RT1210B7				
<b>H</b> Top Bus Configuration  	<b>12</b>	100			RT1520B6	
	<b>4</b>	1,000	36		RT140B6	
		<b>9</b>	25	22	RT1401B7	RT1401B6
			50	25	RT1400B7	RT1400B6
	60		25	RT1408B7	RT1408B6	
	100			RT1440B7		
	120		RT1433B7	RT1433B6		
1,000	36		RT141B6			
<b>I</b> Horseshoe Configuration  	<b>8</b>	187	100	RT1721B7	RT1721B6	
		140	165	RT1723B7	RT1723B6	
		140	135	RT1725B7	RT1725B6	
		70	187	RT1727B7	RT1727B6	
		70	240	RT1729B7	RT1729B6	
	<b>16</b>	140	165	RT1722B7		
		140	135	RT1724B7		
		187	100	RT1720B7		

Mechanical Outline

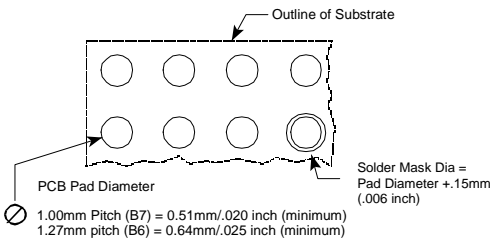


Operating Temperature : -55°C to +125°C

1.27 mm Pitch Package (B6 suffix)		
	mm	inch
P	1.27±0.25	.050±.010
D	0.76±0.05	.030±.002
K	0.64±0.25	.025±.010
H	1.32±0.15	.052±.006
Array Size	L	W
3 x 3	mm	3.81±0.15
	inch	.150±.006
3 x 4	mm	5.08±0.15
	inch	.200±.006
3 x 6	mm	7.62±0.15
	inch	.300±.006
3 x 8	mm	10.16±0.15
	inch	.400±.006
3 x 9	mm	11.43±0.15
	inch	.450±.006
3 x 12	mm	15.24±0.15
	inch	.600±.006
4 x 9	mm	11.43±0.15
	inch	.450±.006

1.00 mm Pitch Package (B7 suffix)		
	mm	inch
P	1.00±0.25	.039±.010
D	0.64±0.05	.025±.002
K	0.50±0.25	.020±.010
H	1.19±0.15	.047±.006
Array Size	L	W
3 x 4	mm	4.00±0.15
	inch	.157±.006
3 x 8	mm	8.00±0.15
	inch	.315±.006
3 x 9	mm	9.00±0.15
	inch	.354±.006
3 x 12	mm	12.00±0.15
	inch	.472±.006
4 x 8	mm	8.00±0.15
	inch	.315±.006
4 x 9	mm	9.00±0.15
	inch	.354±.006
4 x 16	mm	16.00±0.15
	inch	.630±.006

Recommended Land Pattern



For .006" Thick Solder Paste Stencil, Aperture Opening Should be Equal to the PCB Pad Diameter.  
Refer to [www.ctscorp.com/resistor](http://www.ctscorp.com/resistor) for Land Pattern Library

Environmental Performance

Test Name	Max. Delta R	Mil Std. 202 Method	Test Cond.	Test Description
Thermal Cycle (Resistors)	0.50%	107	B	5 cycles, -65°C to +125°C
Short Time Overload	0.50%			2.5 times rated voltage, 5 sec, (50V max)
Moisture Resistance	0.50%	106		240 hours, 0.1 x rated load, -10°C to +65°C, 90% RH
Load Humidity	1.00%			1,000 hours, 0.1 x rated load, 70°C, 85-92% RH
High Temp. Exposure	1.00%			240 hours, no load @ 125°C
Load Life	1.00%	108	F	2,000 hours @ 70°C, 100% rated load
Resistance to solder Heat	0.25%			Per IPC/JEDEC J-STD-020C
Mechanical Shock	0.25%	213	I	100G, 1 msec., 3 shocks each plane
Low Temp. Storage	0.25%			24 hours @ -65°C, no load
Low Temp. Operation	0.25%			24 hours @ -65°C, full load
Flammability				UL 94V0
Resistance to Solvents		215	J	

Tape and Reel Packaging  
(Bulk Packaging Not Available)

Suffix	TR7	TR13
Tape Width	24 mm	24mm
Carrier Pitch	8 mm	8 mm
Reel Diameter	7 inch	13 inch
Parts/Reel	1,000	4,000

Part Number Coding

7 inch reel, Add TR7 to part number, example RT2415B7TR7

13 inch reel, Add TR13 to part number, example RT2415B7TR13

