
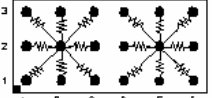
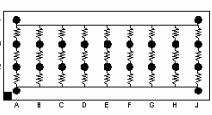
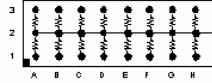
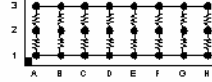

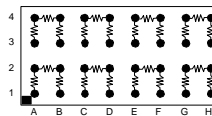


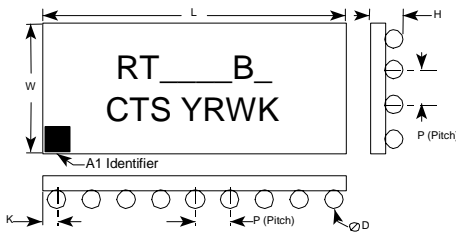
RoHS Compliant part numbers begin with "RT2" (example RT2200B7)

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

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

Configuration	Cols	R1Ω	R2Ω	Pitch 1.00mm	Pitch 1.27mm	
F Center Bus Configuration 	4	1,000		RT1435B7	RT1435B6	
		4,700		RT1415B7	RT1415B6	
		8,200		RT1416B7	RT1416B6	
	8	28		RT1420B7	RT1420B6	
		33			RT1424B6	
		39			RT1422B6	
	9	56		RT1426B7	RT1426B6	
		1,000			RT1436B6	
		2,700	33		RT120B6	
		4,700		RT1417B7	RT1417B6	
		8,200		RT1418B7	RT1418B6	
		25		RT1403B7	RT1403B6	
G Thevenin Configuration 	9	100		RT1220B7		
		8	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			
	12	100			RT1520B6	
H Top Bus Configuration 	4	1,000	36		RT140B6	
		9	25	22	RT1401B7	RT1401B6
	50		25	RT1400B7	RT1400B6	
	60		25	RT1408B7	RT1408B6	
	100			RT1440B7		
	120		RT1433B7	RT1433B6		
1,000	36		RT141B6			
I Horseshoe Configuration 	8	187	100	RT1721B7	RT1721B6	
		140	165	RT1723B7	RT1723B6	
		140	135	RT1725B7	RT1725B6	
		70	187	RT1727B7	RT1727B6	
		70	240	RT1729B7	RT1729B6	
	16	140	165	RT1722B7		
		140	135	RT1724B7		
		187	100	RT1720B7		

Mechanical Outline



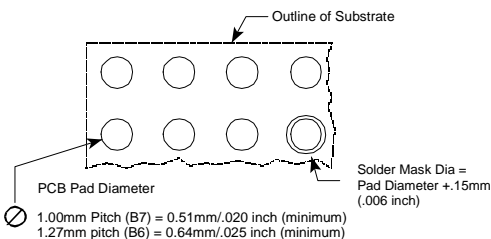
Operating Temperature : -55°C to +125°C

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	3.81±0.15
	inch .150±.006	.150±.006
3 x 4	mm 5.08±0.15	3.81±0.15
	inch .200±.006	.150±.006
3 x 6	mm 7.62±0.15	3.81±0.15
	inch .300±.006	.150±.006
3 x 8	mm 10.16±0.15	3.81±0.15
	inch .400±.006	.150±.006
3 x 9	mm 11.43±0.15	3.81±0.15
	inch .450±.006	.150±.006
3 x 12	mm 15.24±0.15	3.81±0.15
	inch .600±.006	.150±.006
4 x 9	mm 11.43±0.15	5.08±0.15
	inch .450±.006	.200±.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	3.00±0.15
	inch .157±.006	.118±.006
3 x 8	mm 8.00±0.15	3.00±0.15
	inch .315±.006	.118±.006
3 x 9	mm 9.00±0.15	3.00±0.15
	inch .354±.006	.118±.006
3 x 12	mm 12.00±0.15	3.00±0.15
	inch .472±.006	.118±.006
4 x 8	mm 8.00±0.15	4.00±0.15
	inch .315±.006	.157±.006
4 x 9	mm 9.00±0.15	4.00±0.15
	inch .354±.006	.157±.006
4 x 16	mm 16.00±0.15	4.00±0.15
	inch .630±.006	.157±.006

Recommended Land Pattern

Environmental Performance



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

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)

Part Number Coding

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

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

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

