

Features

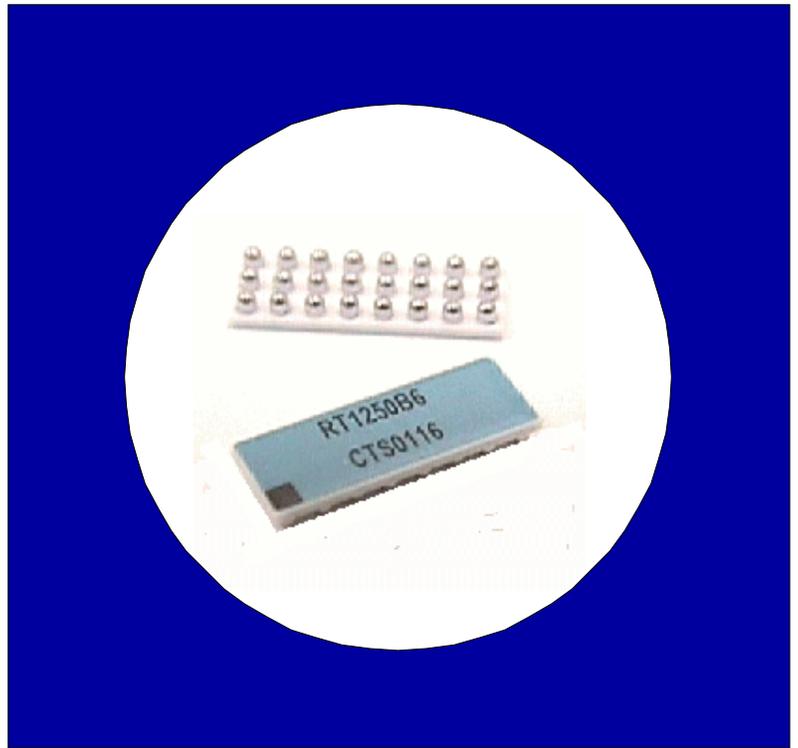
- 8 Bit Thevinin Termination Set
- Compliant for LVPECL Termination
- Excellent High Frequency Performance
- Slim BGA Package
- 1% Resistor Tolerance
- Low Channel to Channel Cross Talk

Description

These integrated termination networks provide high performance line termination for LVPECL busses.

Specifically designed shielding inside the package combined with a ceramic substrate virtually eliminates cross talk between channels that is common in other termination networks and resistor arrays.

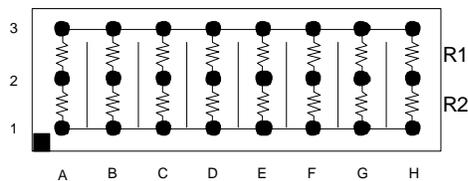
The BGA packaging has been proven to reduce rework and improve reliability.



Custom resistor values and tolerances available upon request.

Schematic Diagram

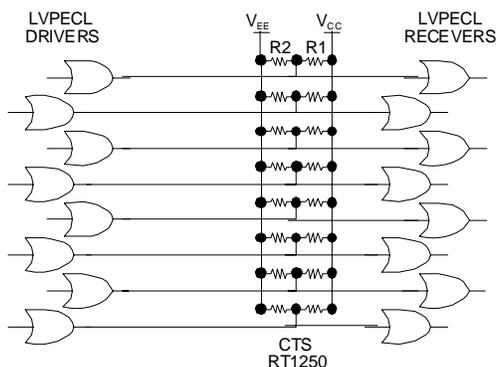
Style G



LVPECL Thevenin Termination



Typical Application

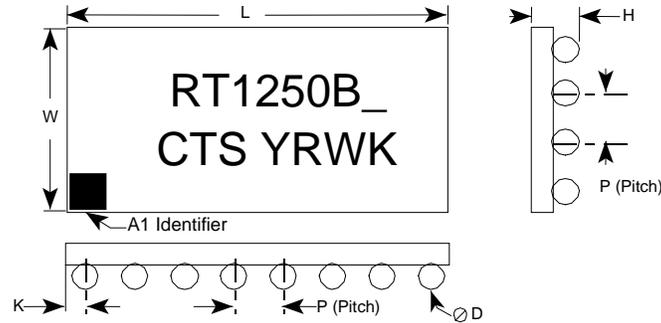


Ordering Information

Part Number	R1 Ω	R2 Ω	Bits	Pitch (mm)
RT1250B6	127	82.5	8	1.27
RT1250B7	127	82.5	8	1.00

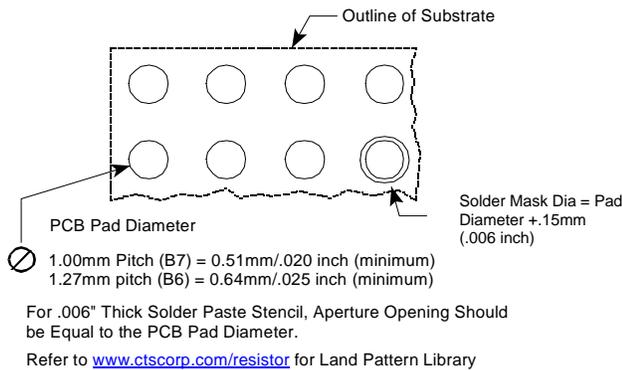
(Tape and reel packaging information is shown on page 2)

Mechanical Diagram

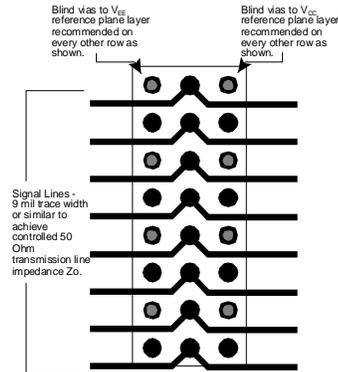


1.27mm Pitch		L	W	H	P	D	K	Coplanarity
RT1250B7	mm	8.00±0.15	4.00±0.15	1.19±0.15	1.00±0.25	0.64±0.05	0.50±0.25	0.15
	inch	.315±.006	.157±.006	.047±.006	.039±.010	.025±.002	.020±.010	.006
1.00mm Pitch		L	W	H	P	D	K	Coplanarity
RT1250B6	mm	10.16±0.15	3.81±0.15	1.32±0.15	1.27±0.25	0.76±0.05	0.64±0.25	0.15
	inch	.400±.006	.150±.006	.052±.006	.050±.010	.030±.002	.025±.010	.006

Recommended Land Pattern



BGA Routing Scheme



Electrical Specifications

Resistor Tolerance:	± 1.0%	
TCR	± 200 ppm/°C	
Operating Temperature Range	-55°C to +125°C	
Maximum Resistor Power:	B6-1.27mm Pitch	B7-1.00mm Pitch
	R1 96mw	60mW
	R2 96mw	66mW
Maximum Package Power:	1.0 Watt at 70°C	

Packaging Information

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 RT 1250B7TR7

13 inch reel, Add TR13 to part number, example RT 1250B7TR13

(Bulk packaging is not available)

