KOA SPEER ELECTRONICS, INC.

RDC(X)

scsi & ecl termination networks

EU RoHS COMPLIANT



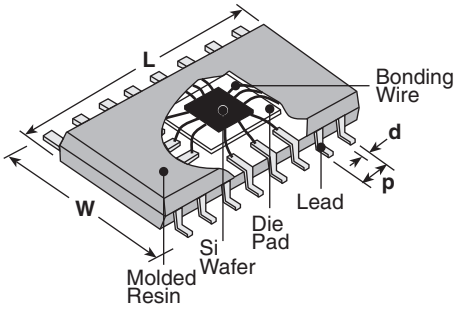
features

- Thin film construction
- Surface mount package
- Stable resistor density
- High resistor density
- Application specific design
- Products with lead-free terminations meet EU RoHS and China RoHS requirements

applications

- ECL signal termination
- SCSI signal termination

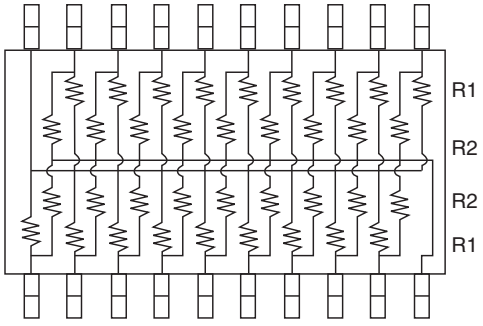
dimensions and construction



Package Code	Total Power	Pins	Dimensions inches (mm)				
			L ±0.2	W ±0.2	p ±0.1	H ±0.2	d ±0.05
Q16	0.8 watts	16	.193 (4.90)	.236 (5.99)	.025 (0.635)	—	—
Q20	1 watt	20	.341 (8.66)	.236 (5.99)	.025 (0.635)	.063 (1.60)	.010 (0.25)

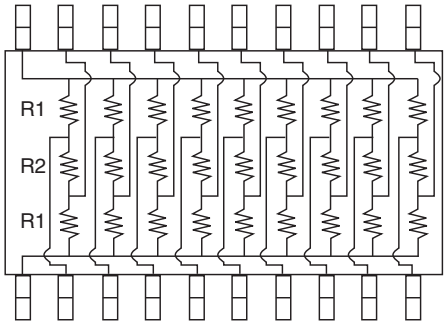
circuit schematic

ECL Terminator



RDA: 20 pins

SCSI Terminator



RDB: 20 pins

ordering information

New Part #

RDA	Q20	T	TEB	331J/221J	H
Type	**Package Code**	**Termination Material**	**Packaging**	**R1 Value/R2 Value & Tolerance**	**T.C.R.**
RDA RDB	Reference above table	T: Sn (Other termination styles available, contact factory for options)	TEB: 13" embossed plastic	3 digits J: ±5%	H: ±100

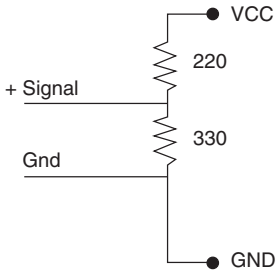
For further information on packaging, please refer to Appendix A.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

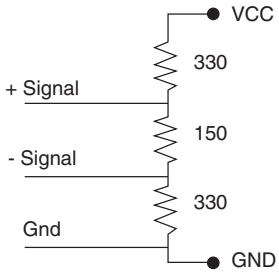
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application schematic

ESL Termination



SCSI termination



applications and ratings

Part Designation	Power Rating @ 70°C (Per Element)	T.C.R. (ppm/°C)	Resistance Range	Resistance Tolerance	Maximum Working Voltage	Operating Temperature Range
RDA RDB	50mW	±25%, ±50%, ±100	10Ω - 10,000Ω	±2%, ±5%	100V	-50°C to +125°C

environmental applications

Performance Characteristics

Parameter	Maximum Δ R	Test Method
Resistance to Soldering Heat	±0.2%	MIL-R-55342 4.7.7
Short Time Overload	+0.2%	MIL-R-55342 4.7.5
Moisture Resistance	±0.2%	MIL-STD-202 method 103
Thermal Shock	±0.2%	MIL-STD-202 method 107
H.A.S.T.	±0.5%	2 Atm., 121°C, 96 hrs