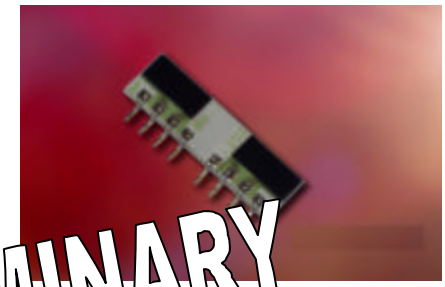
POWER RESISTOR NETWORKS



Model 143-TBA
Hybrid SIP Configuration
RoHS Compliant Available

PRELIMINARY

DESCRIPTION

Our custom power resistor networks allow you to take several individual power resistors in your circuit design and integrate them into a single component. Resistors networks enable better use of your board real estate, particularly if the power resistors are not operating 100% of the time. Custom networks means that the resistors are sized to their actual power needs and designed to any resistance value.

Each custom network can contain up to 10 resistors, with a total power dissipation of 10 Watts. The resistors can be interconnected. The product is offered in SIP lead configuration. The length of the SIP is from 0.5" to 2.0", depending on the number of leads. The height of the SIP is typically 0.5" to 1.0".

FEATURES

- Up to 10 power resistors
- Laser trimmed accuracy to 1%
- 2 sided designs for optimal space utilization
- Robust ceramic substrate construction
- SIP configuration minimizes board space

ELECTRICAL[1]

Resistance Range	1 ohm to 100M ohm
Accuracy (25ºC)	±1%
Matching	±0. 5%
Operating Temperature	-55°C to 125°C
Power per Resistor	5W Max
Power per package	10W max
Maximum Current	2Amp

ENVIRONMENTAL

Power Cycling	TBD
Low/High Temperature Storage	TBD
Load Life, 1,000 Hours @ 70C	TBD
Storage Temperature Range	-55°C to +125°C

[1] *Specifications subject to change without notice.*

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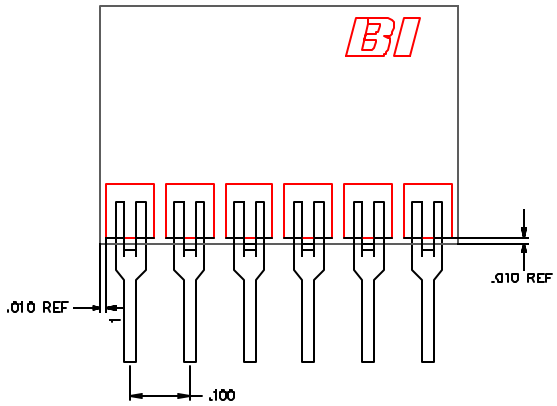
MECHANICAL

Length	0.40” to 1.0”
Height	0.5” to 1.0”
Lead Spacing	0.10”
Substrate Material	96% Alumina
Lead Finish	SnPb or 100% matte tin

OUTLINE DRAWING[2]

DIMENSIONS: INCHES



Sample Depiction

PART NUMBER

Please submit your resistor schematic, tolerances and power details to BI Technologies for evaluation and quotation. Your individual part number will be assigned at time of order.

Part Number
143-TBA

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