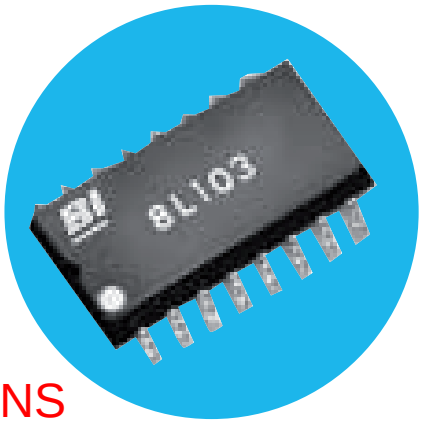
Resistors

Model 628 L



Model 628 L Series

- R/2R Ladder
- .220” Small Outline
- Thick Film DIP
- Surface Mount
- Resistor Networks

NOT RECOMMENDED FOR NEW DESIGNS

All parts are Pb-free and comply with EU Directive 2011/65/EU (RoHS2)

Electrical

Standard Resistance Range, Ohms	1K to 100K
Standard Resistance Tolerance, at 25°C	±2%
Operating Temperature Range	-55°C to +125°C
Temperature Coefficient of Resistance	±100ppm/°C
Maximum Operating Voltage	50Vdc or √PR
Insulation Resistance	≥10,000 Megohms
Ladder Network Accuracy	8 Bits: ±1/2 LSB, -55°C to +125°C

Mechanical

Lead Material	Copper Alloy, 96.5 / 3.5 SnAg (Dipped)
Lead Configuration	Gull Wing
Lead Coplanarity	±0.002 in. (0.057mm)
Substrate Material	Alumina
Resistor Material	Cermet
Body Material	Epoxy

Applicable Documents

MIL-R-914 — Resistor Networks, Fixed, Film, Surface Mount Established Reliability General Specification
MIL-STD-202 — Test Methods for Electronic and Electrical Component Parts
EIA-481 — Carrier Taping of Surface Mount Components for Automatic Handling
EIA-PDP-100 — SOGN-0002 Outline Dimensions

Specifications subject to change without notice.

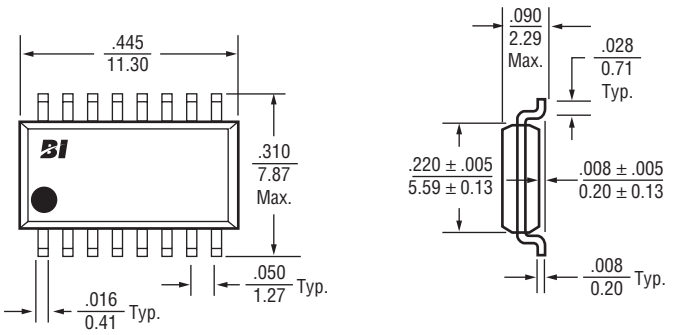
General Note
TT Electronics reserves the right to make changes in product specification without notice or liability.
All information is subject to TT Electronics’ own data and is considered accurate at time of going to print.

© TT Electronics plc

NOT RECOMMENDED FOR NEW DESIGNS

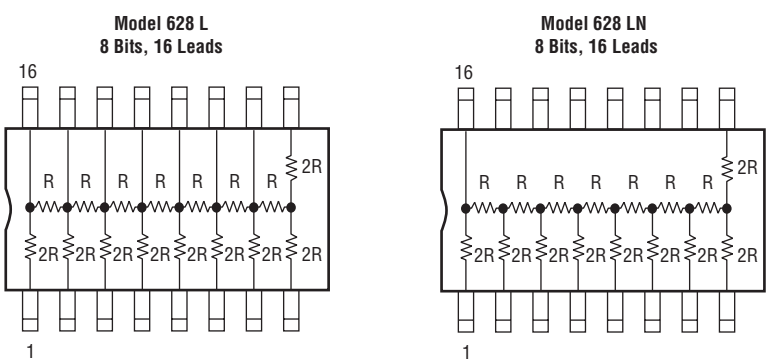
Model 628 L Series

Outline Dimensions (Inch/mm)



Note: Maximum Allowable Mold Excursion = 0.006”

Schematics



Note: Custom circuits are available. Consult factory.

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.
All information is subject to TT Electronics’ own data and is considered accurate at time of going to print.

BI Technologies IRC Welwyn

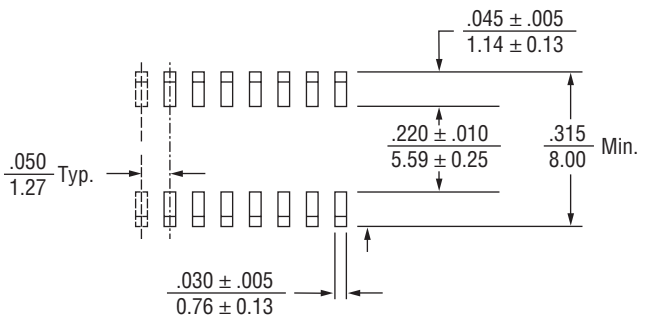
www.ttelectronics.com/resistors

© TT Electronics plc

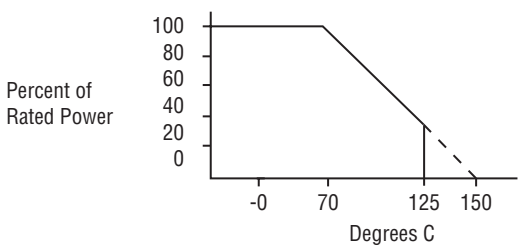
NOT RECOMMENDED FOR NEW DESIGNS

Model 628 L Series

Solder Pad Layout (Inch/mm)



Power Derating Curve



Power Dissipation, Watts At 70°C

Model	Package	Per Resistor
628L	0.64	0.040

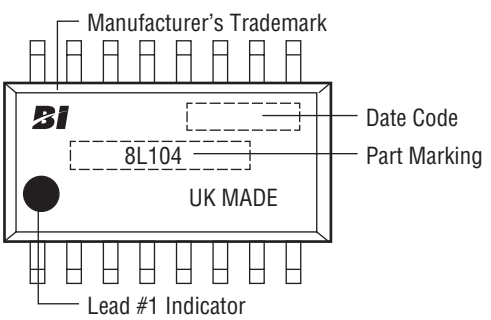
Standard Resistance Values, Ohms

R/2R	R/2R	R/2R
1K/2K 10K/20K	25K/50K 50K/100K	100K/200K

Typical Part Marking

Part Number:
628L104

Part Marking:
8L104



General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

BI Technologies IRC Welwyn

www.ttelectronics.com/resistors

© TT Electronics plc

NOT RECOMMENDED FOR NEW DESIGNS

Model 628 L Series

Packaging

Standard:	Tape & Reel Conforms to requirements of EIA-481. All units oriented with lead #1 to the left of direction of feed.	
Tape	Width = Pocket = Pitch =	24mm Embossed Plastic, Antistatic 12mm
Reel	Diameter = Capacity =	13” (330mm) Maximum 2,000 Units
Option:	Magazines Conforms to EIA and JEDEC standards. All units oriented with lead #1 to the same side.	
Magazine:	Capacity =	50 Units

Ordering Information

628 L 104 TR4

- 628 — Model
- L — Circuit Type: L = Ladder
- 104 — R Resistance Code: First 2 digits are significant. Last digit denotes the number of trailing zeros.
- TR4 — Standard Tape & Reel Packaging: (No code used for Magazines.)

General Note
TT Electronics reserves the right to make changes in product specification without notice or liability.
All information is subject to TT Electronics’ own data and is considered accurate at time of going to print.

BI Technologies IRC Welwyn

www.ttelectronics.com/resistors

© TT Electronics plc