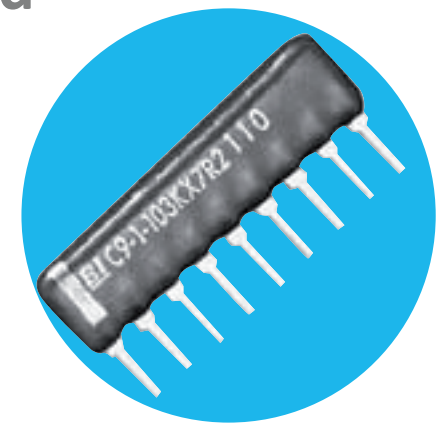
Single-In-Line Conformal Coated Resistor/Capacitor Networks

CR Series

- 4 to 14 Leads
- Standard and custom circuits
- Space saving design



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

Electrical (Capacitor)

Rated Voltage				25Vdc, 50Vdc, 100Vdc
Capacitance Range				10pF to 1µF (Custom 2.2pF to 10pF max.)
Tolerance	J Tol. ±5%	K Tol. ±10%	M Tol. ±20%	Z Tol. +80% to -20%
Temperature Coefficient (% of Change)				Refer to Dielectric Table
Operating Temperature Range				CG, SL & X7R: -55°C to +125°C Y5V: -30°C to +85°C

Electrical (Resistor)

Power Dissipation, Watts, at 70°C			1/8 to 1/4 per resistor
Operating Voltage, Maximum			100Vdc
Standard Resistance Range, Ohms			10 to 2.2 Meg
Standard Resistance Tolerance	G. Tol. ±2%	J Tol. ±5%	K Tol. ±10%
Temperature Coefficient of Resistance			100 to 300ppm/°C
Operating Temperature Range			-55°C to +125°C

Dielectric Table

Dielectric	Code	Characteristics	Values
SL	S	+350/-1,000/°C	10pF to 3,300pF
X7R	X	±15% (-55 to +125°C)	680pF to 47nF, (50V: 100pF to 1µF)
Y5V	Y	+22% to -82% (-30 to +85°C)	10pF to 1,500pF
CG (NPO)	CG	±30ppm/°C	10pF to 1,500pF

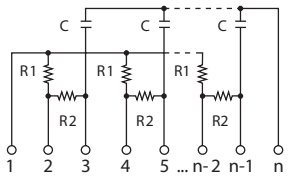
Specifications subject to change without notice.

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.

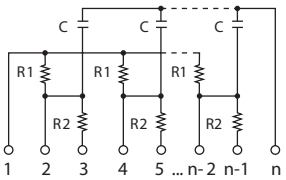
© TT Electronics plc

Schematics

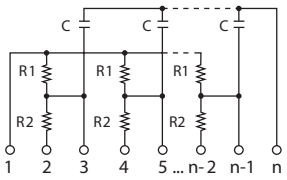
-A Circuit



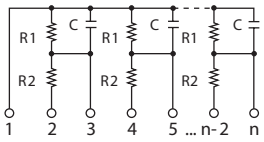
-B Circuit



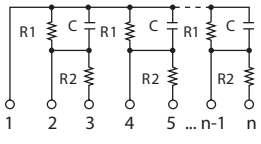
-C Circuit



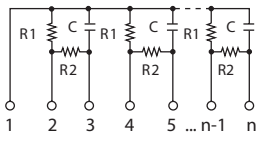
-G Circuit



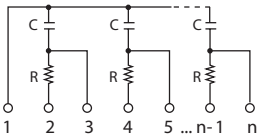
-H Circuit



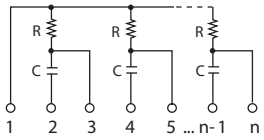
-I Circuit



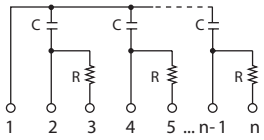
-K Circuit



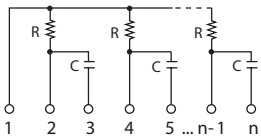
-L Circuit



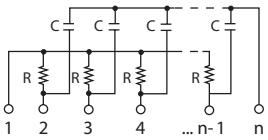
-M Circuit



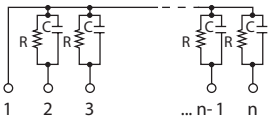
-N Circuit



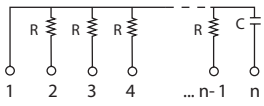
-S Circuit



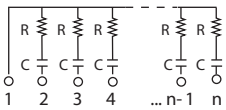
-T Circuit



-U Circuit



-1 Circuit

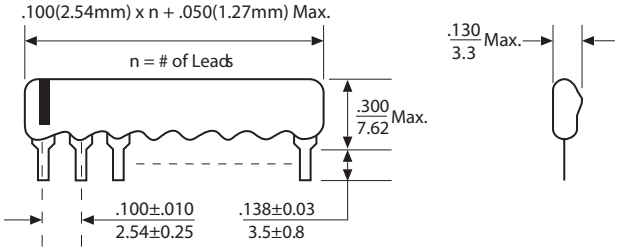


Specifications subject to change without notice.

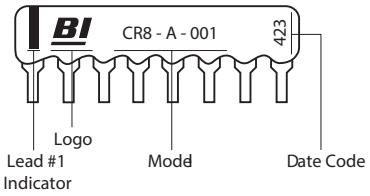
General Note
TT Electronics reserves the right to make changes in product specification without notice or liability.
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

© TT Electronics plc

Outline Dimensions (Inch/mm)



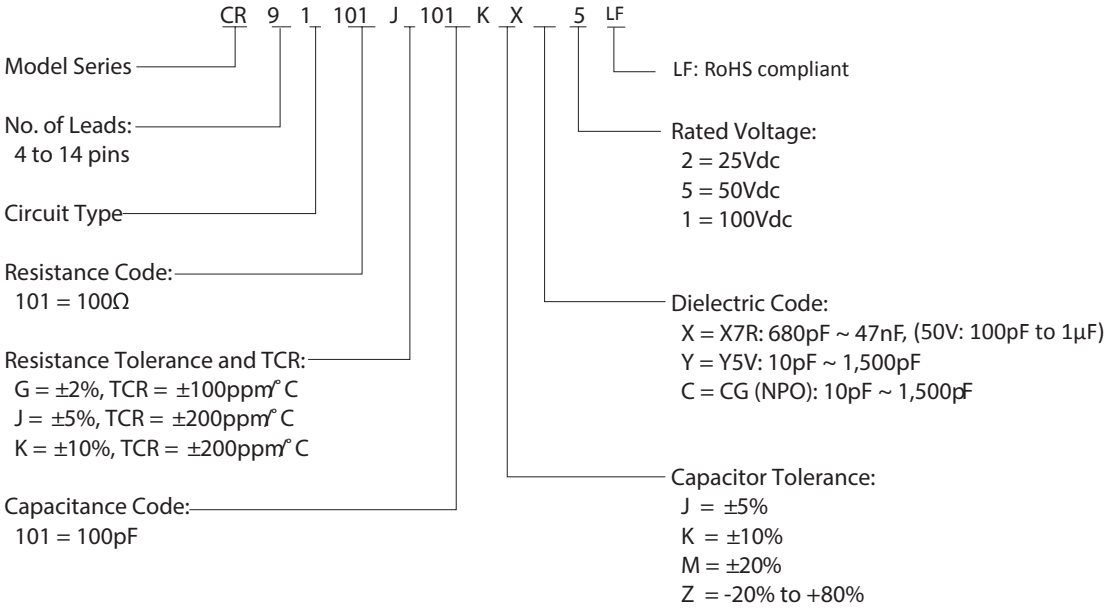
Typical Part Marking



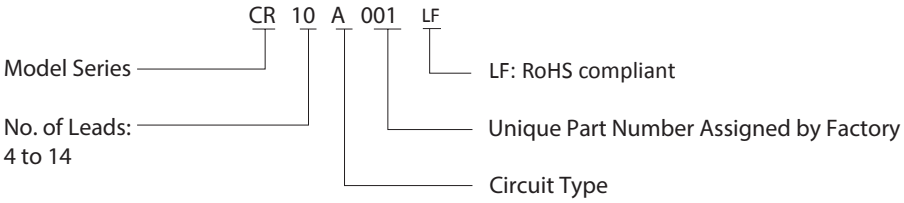
© TT Electronics plc

Ordering Information

Circuit 1



Custom Circuits A to U



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