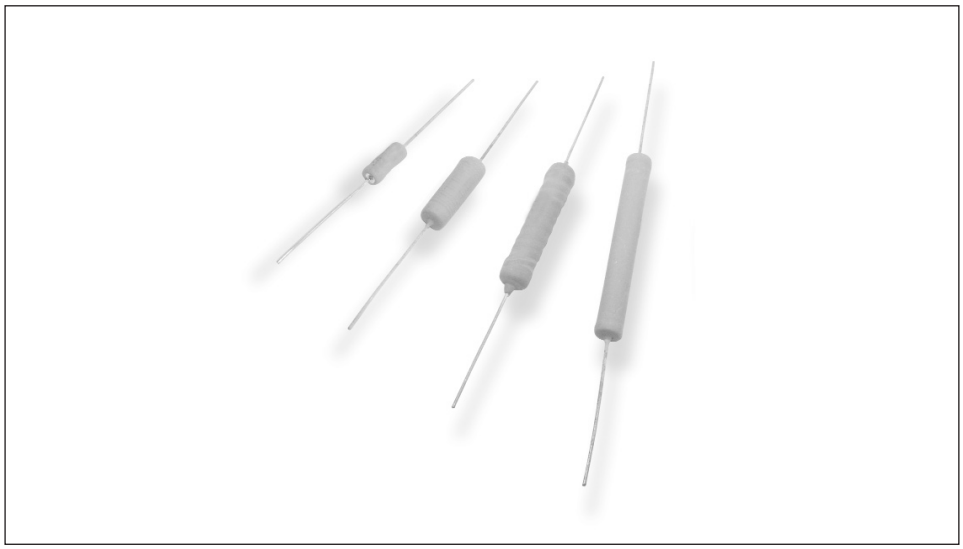
Type C Series

Key Features

- Vitreous Enamel Coated
- Quality Approved
- Up to 14 Watts Power
- All Welded Construction
- Overload 10 x 5 Seconds
- Ammo Packed or Reeled (3-7 Watt)



TE Connectivity has offered the 'C' Series of Vitreous Enamelled Wirewound Resistors for more than 25 years and as a result of continuous development and investment in the latest production equipment now supplies a product with a proven record of reliability and quality. These economically priced resistors are capable of dissipating high power from a relatively small size in harsh environmental conditions. The resistors are manufactured from quality materials for optimum reliability and stability.

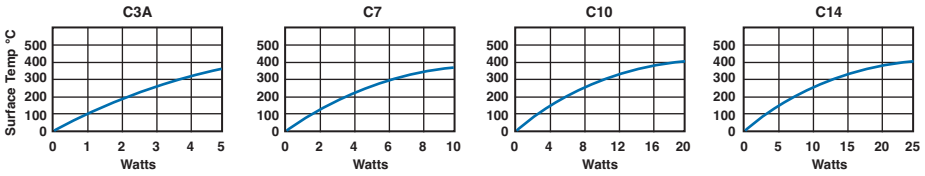
Characteristics - Electrical

	C3A	C7	C10	C14
Wattage at 40°C:	4	7	10	14
Ohmic Value (Min):	R10	R10	R10	R10
(Max):	10K	27K	47K	100K
Limiting Element Voltage (DC/AC RMS):	200	350	500	650
Resistance Tolerance:	10%, 5%, 2% (1% by request on a limited value range)			
Temperature Coefficient of Resistance (Ohmic Value):	Above 1R0 90ppm/°C			
Overload Resistance Change (Up to 10x rated wattage for 5 secs):	ΔR Less than 1%			
Load Life stability at Rated Wattage (Resistance Change):	1000 Hours ΔR Less than 3%			
	8000 Hours ΔR Less than 5%			
Shelf Life Stability (Resistance Change):	2 Years ΔR Less than 0.25%			
Power Derating:	Derate from 40°C linearly to zero at 350°C			

Characteristics - Environmental

Climatic Category 55/200/56:	ΔR Typically less than 1%
Solder Heat 260° for 5 Seconds:	ΔR Less than 0.1%

Surface Temperature v Power Dissipation

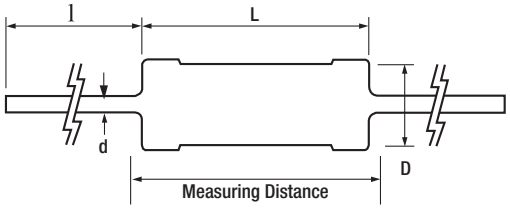


Dimensions are in millimeters and inches unless otherwise specified. Values in brackets are standard equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

Type C Series

Dimensions



Type	L	D	d	l	Measuring Distance
C3A	13.0	5.7	0.8	35.0	30.7
C7	22.0	8.5	0.8	35.0	37.7
C10	38.1	8.5	0.8	35.0	52.8
C14	53.3	8.5	0.8	35.0	69.5

Packaging Bandolier

C10/C14 - packed in cardboard sleeves in multiples of 25.

C3A - Ammo 500 Reeled 1000

C7 - Ammo 250 Reeled 500

How to Order

C3A	680R	J	T
Common Part	**Resistance Value**	**Tolerance**	**Pack Style**
C3A - 3 Watt C7 - 7 Watt C10 - 10 Watt C14 - 14 Watt	0.1 ohm (100 milliohms) R10 1.0 ohm (1000 milliohms) 1R0 1K ohm (1000 ohms) 1K0	G - ±2% J - ±5% K - ±10%	R - Bandoliered Reel T - Bandoliered Ammo Pack L - Loose (C10 & C14 only)