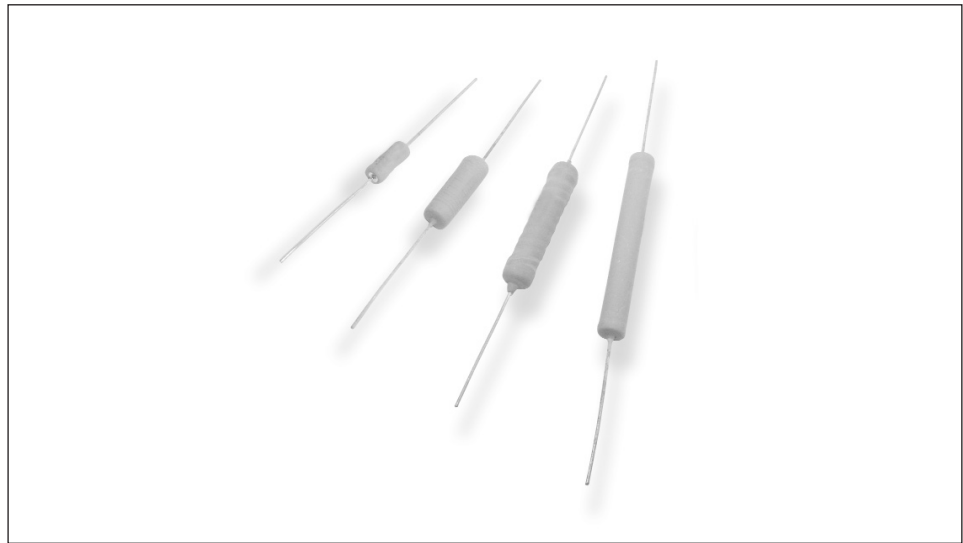


## Type C Series

### 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.

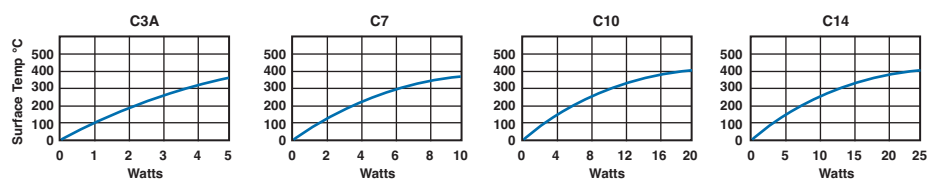
### Characteristics - Electrical

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

### Characteristics - Environmental

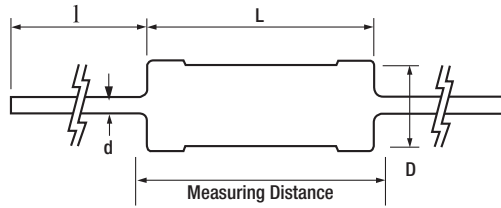
<b>Climatic Category 55/200/56:</b>	ΔR Typically less than 1%
<b>Solder Heat 260° for 5 Seconds:</b>	ΔR Less than 0.1%

### Surface Temperature v Power Dissipation



## Type C Series

### Dimensions



Type	L	D	d	I	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 - $\pm 2\%$ J - $\pm 5\%$ K - $\pm 10\%$	R - Bandoliered Reel T - Bandoliered Ammo Pack L - Loose (C10 & C14 only)

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