

MEGGITT CGS

HIGH VOLTAGE RESISTORS
HIGH VALUE RESISTORS
HIGH POWER RESISTORS
ALUMINIUM CLAD RESISTORS
CURRENT SENSE RESISTORS

High Power Resistors TYPE C SERIES



Meggitt CGS has manufactured 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.

MEGGITT CGS KEY FEATURES

- VITREOUS ENAMEL COATED
 - QUALITY APPROVED
 - ATTRACTIVELY PRICED
 - UP TO 14 WATTS POWER
 - ALL WELDED CONSTRUCTION
 - OVERLOAD 10 x 5 SECONDS
 - AMMO PACKED OR REELED (3-7 WATT)
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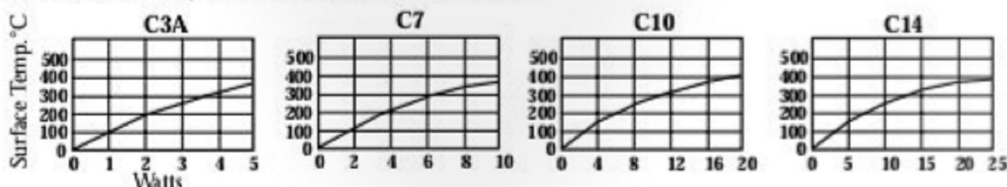
ELECTRICAL

TYPE	C3A	C7	C10	C14
Wattage at 40°C:	4	7	10	14
Ohmic Value (Min):	R10	R10	R10	R10
(Max):	10K	27K	18K	18K
Limiting Element Voltage (DC/AC RMS):	200	350	500	650
Resistor 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%		
	2 Years	ΔR Less than 0.25%		
Shelf Life Stability (Resistance Change):	Derate from 40°C linearly to zero at 350°C			
Power Derating:				

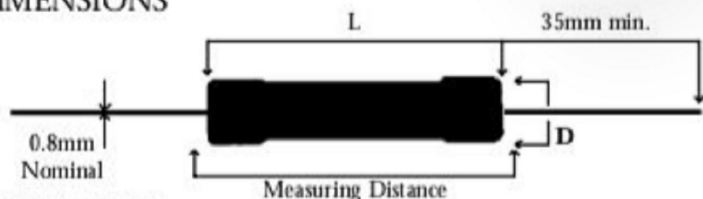
ENVIRONMENTAL

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



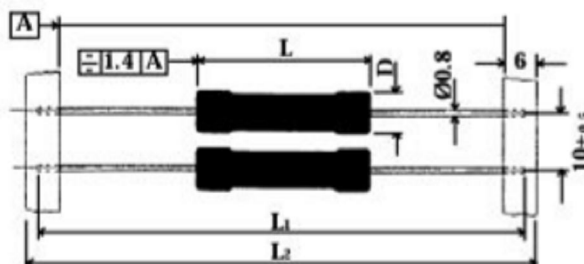
All Dimensions are maximum and in 'mm' unless otherwise stated. Do not Scale.

TYPE	C3A	C7	C10	C14
Length (L)	13	22.2	38.1	53.5
Diameter (D)	5.7	8.5	8.5	8.5
Measuring Distance	30.7	37.7	52.8	69.5
IEC 286 PT3				
Lead Tape L1	83.3	98.3		
Tape L2	86	101		

PACKAGING BANDOLIER

C10/C14 are 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	RESISTOR 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 1 K ohm (1000 ohms) 1K0	G - ± 2% J - ± 5% K - ± 10%	R - Bandoliered Reel T - Bandoliered ammo pack L - Loose (C10 & C14 only)



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