

## MEGGITT CGS

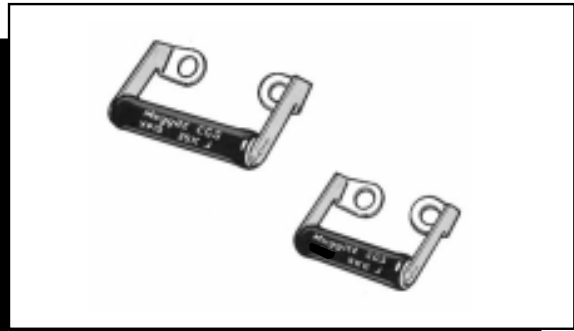
HIGH VOLTAGE RESISTORS  
HIGH VALUE RESISTORS  
HIGH POWER RESISTORS  
ALUMINIUM CLAD RESISTORS  
CURRENT SENSE RESISTORS

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# High Power Capacitor Discharge Resistors

## TYPE YP SERIES

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The YP series resistors are coated with multilayer silicone to give an excellent protection to the resistance wire from a temperature of  $-55^{\circ}\text{C}$  to  $350^{\circ}\text{C}$ . The terminals are designed for quick and easy mounting on capacitors and have a mounting pitch of 22.2 and 31.8 mm.

These are wirewound ceramic core resistors designed for voltage balancing of series connected aluminium electrolytic capacitors. These resistors are also suitable for capacitor voltage discharge safety applications in high voltage circuits. Ideally suited for industrial grade capacitors.

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## MEGGITT CGS KEY FEATURES

- FLAMEPROOF SILICONE COATING
- STAINLESS STEEL MOUNTING TERMINALS  
FOR DIRECT MOUNTING ON CAPACITORS
- PREMIUM QUALITY RESISTIVE WIRES
- ATTRACTIVELY PRICED
- CUSTOM DESIGNS POSSIBLE
- INNOVATIVE DESIGN

## ELECTRICAL

Resistance Values:

Resistance Tolerance:

Temperature Coefficient:

Maximum Voltage:

Derating:

Power Rating:

Stability:

Standard:

Marking:

18K, 27K, 47K. Other values on request and to order.

±5%

±30 ppm/°C (typ.), ±100 ppm/°C (maximum)

825V dc or ac(rms) for YP10, 570V for YP8.

Derated linearly to zero at 350°C.

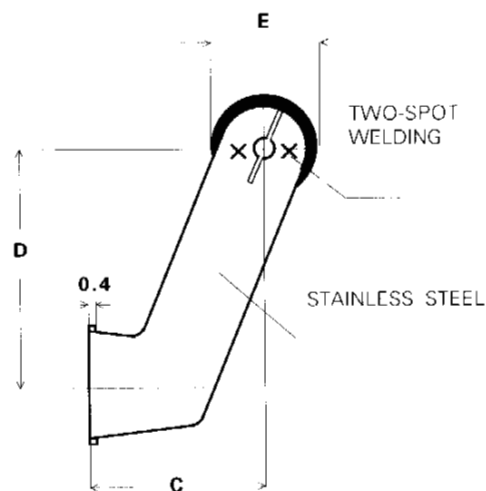
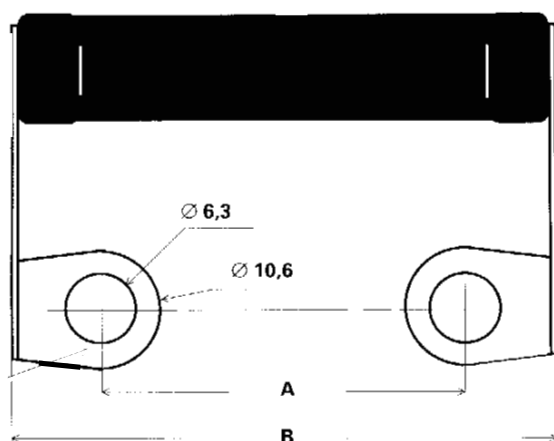
10W @ 70°C for YP10 and 8W @ 70°C for YP8.

70°C, 1000hr - R/R @ 100% load &lt;±5%

Performance as per BS - CECC 40201-002

Type, Resistance value, Tolerance

## DIMENSIONS



Type	Dimensions				
	A ±1mm	B max.	C ±1mm	D ±1mm	E ±1mm
YP8	22.2	40	15	21	9.5
YP10	31.8	50	15	21	9.5

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

## HOW TO ORDER

YP	8	18K	J
COMMON PART	RATING	RESISTANCE VALUE	TOLERANCE
YP - Capacitor Discharge Resistor	Nominal Continuous Rating 70°C 8 - 8 watts 10 - 10 watts	18K (18000 ohms) 18K 27K (27000 ohms) 27K 47K (47000 ohms) 47K	J - ±5% K - ±10%



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