

# HVR PENTAGON



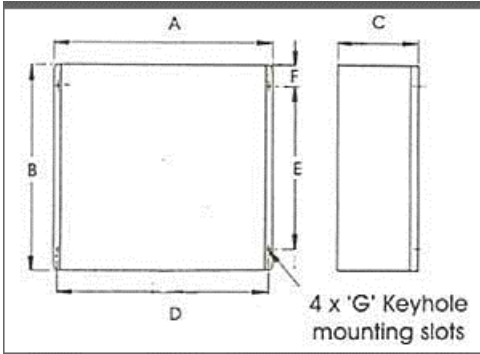
## ACH1000

Pentagon PT750 vitreous enamelled tape wound resistor, enclosed in a zinc plated & powder coated box.

Rated at 1000 watts continuous at 280 °C above ambient mounted in free air.

Where it is desirable to limit the surface temperature of the resistor, refer to the graph shown below.

Available from 12V/415V



A	B	C	D	E	F	G
182	430	153	168	335	4	5

Short time overload	Refer to graph. Note that performance at intervals less than 10 seconds are dependent upon resistance value. Assuming a cooling time of at least 15 minutes between duty cycles.
Load life	Tested for 500 cycles for minimum 1,000 hours
Load life in humidity	Tested for 500 cycles for minimum 1,000 hours at 40°C ambient, 90-95% humidity
Temperature cycling/ thermal shock	Tested from -55°C ambient under full power for 30 mins and from 155°C ambient under full power for 30 mins. 5 cycles.
Corrosion	Tested for 240 hours at 40°C ambient and 90-95% humidity. All fasteners & bracketry zinc plated.
Dielectric withstand voltage	2kV terminal to ground (greater on request). Maximum 4.4kV across resistor.
Temperature coefficient	Maximum 50ppm/°C

