



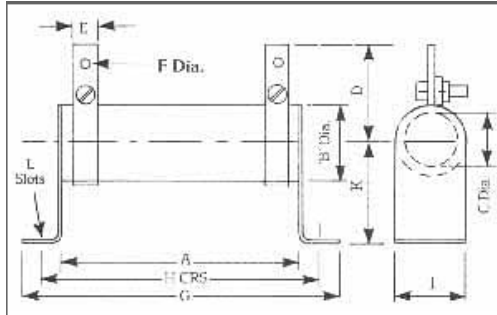
PE400H

HVR Pentagon vitreous enamelled resistor. Available with one adjustable tapping band.

Rated at 400 watts continuous at 280 °C above ambient mounted in free air, using whole length of resistor.
Rated at 500 watts continuous at 380 °C above ambient mounted in free air, using whole length of resistor.

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

Resistance range 25 Ohm to 80,000 Ohms. Standard tolerance +/-10% (K); +/-5% (J) available.



A	B	C	D	E	F	G	H	J	K	L
254	44	29	43	9.5	5	292	274	44	51	7X14

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 2.9kV across resistor.
Temperature coefficient	Maximum 50ppm/°C

