



ALUMINIUM HOUSED POWER RESISTOR: PHEF Series

PHEF320

KEY FEATURES :

- 450W Power Rating in Compact Package
- Low Body Temperature Rise
- Mounting Options : Screw mounting, T-Slot, DIN Rail
- Degree of protection: IP54
- Applications as Brake Resistors in frequency convertors, Large inrush power handling, Dummy loads, Cabinet heating.



TECHNICAL DATA

Resistor Type	PHEF320
Resistance Value	10Ω to 10kΩ
Tolerance	±5% , ±10%
Maximum Operating Voltage V _{DC}	848V
Rated Power in @40°C*	450 Watts in Free Air with temperature rise less than 200°C
Insulation Resistance	≥100MΩ @ 500 VDC
Dielectric Strength	3500 VAC for 1 Minute
TCR	-80 to 200ppm/°C
Resistor Element	Wire Wound Resistor
Cable	Standard PTFE Coated 14/19AWG (1.9mm ²), 600V, 200°C
Resistor Body	Anodized Extruded Aluminium Profile

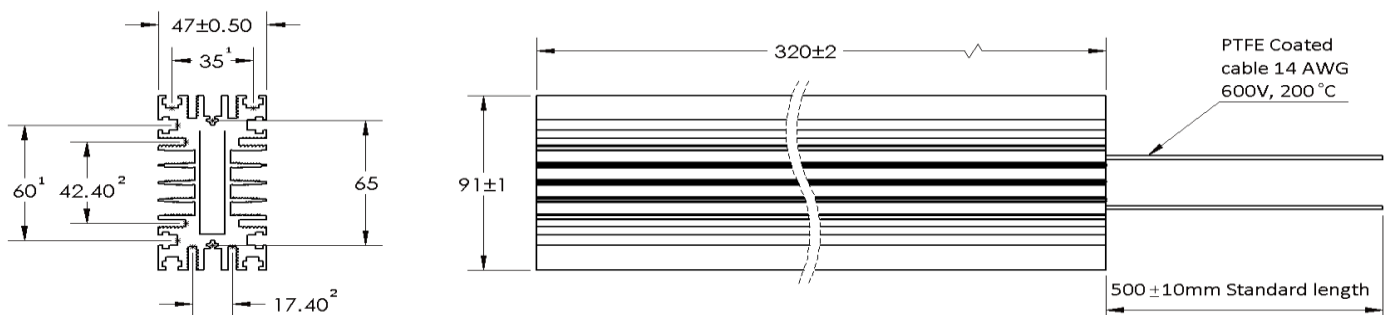
*Temperature measured on top of the fins at its hotspot, when mounted vertically.

OVERLOAD RATINGS:

Duty Cycle (Seconds)	60%	40%	25%	15%	6%	3%	1%
Overload Power Rating (Watts)	675W	990W	1350W	1620W	2835W	4185W	6750W

Total Cycle Time: 120 seconds maximum.

COMPONENT DRAWING:



Note:

1. T- Slot Type Mounting
2. M4 Screw Type Mounting



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ORDERING CODE:

PEC Type	Ohmic Value	Tolerance	Dielectric Voltage	Termination	Cable Length
PHEF320	10Ω to 10kΩ	5%-J 10%-K	Standard -S	Cable- C Special - M	Standard-X Custom-M-Length

FULL PART NUMBER: PHEF320-18R-JSMM

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