

# **WIRE WOUND SMD POWER INDUCTOR**

## HR 1595 4532/5650/5650 Series



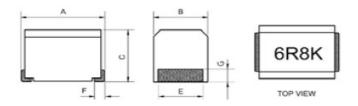
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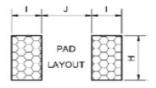
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## **Aplications:**

- DC/DC converter fo CPU.
- LCD displays, HDDs, etc.
- Thin types on-board power supply module for exchanger.
- Saturation Current (Isat): The current will cause L to drop approximately 30% typical.
- Temperature Rise Current (Irms):The current will be cause the temperature coil rise approximately Δt=40°C
- Operating temperature: -40°C to +105°C
- All parts meet ROHS compliance

### **Shape and Dimensions**





MODEL	Α	В	С	E	F	G	Н	I	J
HR 1595 4532	4.5±0.2	3.2±0.2	3.2±0.2	2.6±0.2	0.5	0.8	2.8	1.5	3.0
HR 1595 5650	5.6±0.2	5.0±0.2	4.0±0.2	4.0±0.2	0.7±0.1	1.º	4.5	2.0	4.0
<u>HR 1595 5650</u>	5.6±0.2	5.0±0.2	3.0±0.2	4.0±0.2	0.7±0.1	1.4	4.5	2.0	4.0

- All measures are in mm.
- Wire wound SMD inductors.
- Low loss realized with low DCR.
- Shielded construction.
- Referenced ambient at 20° C.
- Test Condition: 1MHz, 1.0Vrms.
- I sat(Typ): DC current (a) that will cause L0 to drop approximately 30 %.
- I sat(Max): DC current (a) that will cause L0 to drop 30 % max.
- I rms(Typ): DC current (a) that will cause an approximate ΔT of 40°C.
- I rms(Max): DC current (a) that will cause an ΔT of 40°C max.
- SMD 2520VP / 3225VP /3225 VH are low RDC.

#### **Product Identification**

HR 1595	<u>.4532</u>	<u>1R0</u>	<u>M</u>
•(1)	•(2)	•(3)	•(4)

- •(1) Series: ultra High Power Inductors.
- •(2) Dimensions: Style 4532
- •(3) Inductance: 1.0uH(1R0) for 10uH.
- •(4) Inductance tolerance:M:±20%.