

UNSHIELDED SMT POWER INDUCTOR

HR 1597 5D28R/103R/104R/105R Series

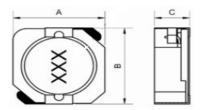
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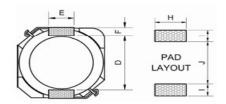
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Aplications:

- DC/DC converters fo CPU.
- High power . High saturation inductors.
- 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	D	E	F	Н	ı	J
HR 1597 5D28R	6.2±0.2	6.3	3	4.7	2.0	0.6	2.6	1.0	4.6
HR 1597 103R	10.3±0.2	6.4	3	7.7	3.0	1.2	3.6	1.7	7.3
HR 1597 104R	10.3±0.2	6.4	4	7.7	3.0	1.2	3.6	1.7	7.3
HR 1597 105R	10.3±0.2	6.4	5	7.7	3.0	1.2	3.6	1.7	7.3

- 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 1597	DRH104R	<u>-470</u>	<u>N</u>
•(1)	•(2)	•(3)	•(4)

- •(1) Sourface Mountable Type
- •(2) Dimensions: Style 104R
- •(3) Inductance: Example: 470 for 47uH.
- •(4) Inductance tolerance:N:±30%.