



UNSHIELDED SMT POWER INDUCTOR

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

www.efiter.com

[home>>index](#)

Applications:

- DC/DC converters for 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 $\Delta t=40^{\circ}\text{C}$
- Operating temperature: -40°C to $+105^{\circ}\text{C}$
- All parts meet ROHS compliance

Shape and Dimensions



MODEL	A	B	C	D	E	F	H	I	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

•(1)

DRH104R

•(2)

-470 N

•(3)

•(4)

- (1) Surface Mountable Type
- (2) Dimensions: Style 104R
- (3) Inductance: Example:470 for 47uH.
- (4) Inductance tolerance:N: $\pm 30\%$.