

Power Choke High Current HCPR 1009-1110 Series



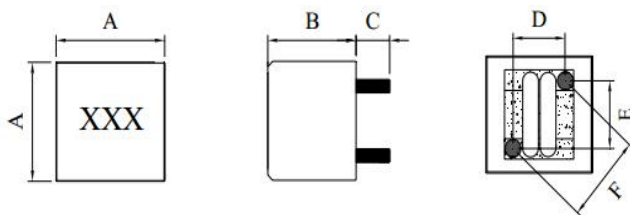
Features

- Using the latest state of the art fine rectangular magnet wire construction.
- Super low resistance, ultra high current rating.
- Excellent for power line DC-DC conversion applications used in notebook computers and other

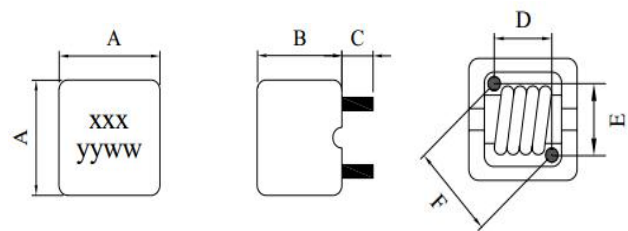
Tolerance

- (K 10% , M 20%)

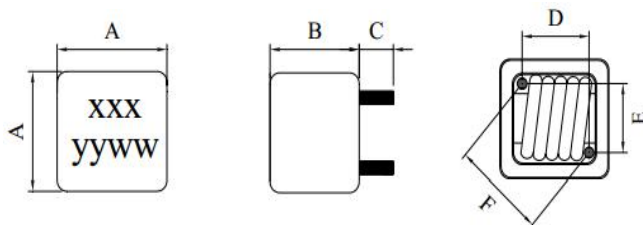
Configurations & Dimensions



HCPR1009



HCPR1109



HCPR1110

Dimensions

Chip Size

Units:mm

TYPE	A	B	C	D	E	F
HCPR1009-R25M	10.5max	9.5max	3.4±0.5	4.5±1.0	6.0±1.0	7.5Typ
HCPR1009-R36M	10.5max	9.5max	3.4±0.5	4.5±1.0	6.0±1.0	7.8Typ
HCPR1009-R80M	10.5max	9.5max	3.4±0.5	4.5±1.0	6.0±1.0	7.8Typ
HCPR1009-2R5M	10.5max	9.5max	3.5±0.5	5.5±0.5	7.0±0.5	
HCPR1009-3R3M	10.5max	9.5max	3.5±0.5	5.5±0.5	7.0±0.5	
HCPR1009-4R0M	10.5max	9.5max	3.5±0.5	5.5±0.5	7.0±0.5	
HCPR1109-R68M	11.5max	9.6max	3.4±0.5	6.0±0.5	6.7±0.5	9.0±0.5
HCPR1109-1R1M	11.5max	9.6max	3.4±0.5	6.2±0.5	6.9±0.5	9.27±0.5
HCPR1110-R25K	11.5max	10max	4.2±0.5	6.5±0.5	6.5±0.5	8.5±0.5
HCPR1110-R30K	11.5max	10max	4.2±0.5	6.5±0.5	6.5±0.5	9.0±0.5
HCPR1110-2R0M	11.5max	10max	4.2±0.5	7.0±0.5	7.0±0.5	9.5±0.5

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Specifications HCPR

Part Number	Inductance (uH)	Test Frequency (KHz)	IDC (A)	$\Delta L/L_0$ @Irate	DC Resistance (m Ω Max)
HCPR1009-R25M	0.25	100/1V	40	0.24uH Typ	0.72
HCPR1009-R36M	0.36	100/1V	30	$\leq 10\%$	2.0
HCPR1009-R80M	0.80	100/1V	25	$\leq 15\%$	5.0
HCPR1009-2R5M	2.50	100/1V	10	$\leq 10\%$	10.0
HCPR1009-3R3M	3.30	100/1V	10	$\leq 10\%$	15.0
HCPR1009-4R0M	4.00	100/1V	10	$\leq 10\%$	20.0
HCPR1109-R68M	0.68	100/1V	40	$\leq 15\%$	1.2
HCPR1109-1R1M	1.10	100/1V	30	$\leq 15\%$	1.5
HCPR1110-R25K	0.25	100/1V	40	$\leq 15\%$	0.8
HCPR1110-R30K	0.30	100/1V	40	$\leq 10\%$	1.0
HCPR1110-2R0M	2.00	100/1V	20	$\leq 30\%$	2.5

