

HIGH CURRENT INDUCTORS

MODEL NO. : PUB- 11510 HF SERIES

FEATURES:

- * COMPACT UNIBODY CONSTRUCTION.
- * SOLID STRUCTURE WITH LOWER LOSS , HIGH POWER, LOW DCR.
- * CLOSED MAGNETIC CIRCUIT CONSTRUCTION FOR HIGH DENSITY BOARD ASSEMBLY .
- * MORE EFFICIENT NOISE SUPPRESSION.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION :

- * DC/DC CONVERTER IN POWER REGULATION SYSTEM.
- NOTEBOOK COMPUTERS ● DESKTOP PC.
- VGA CARD ● SERVERS ● ROUTERS ● MOTHER BPARD



ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (uH) $\pm 20\%$	DCR(m Ω)		HEAT RATING CURRENT (A) TYPICAL (NOTE 2)	SATURATION CURRENT (ADC) TYPICAL (NOTE 3)	DIAMETER (mm)		PITCH (mm)	
		TYPICAL	MAX			D	H	A	B
PUB-11510-R30 HF	0.30	0.65	0.78	38.0	60.0	1.5	1.8	5.7	6.3
PUB-11510-R47 HF	0.47	0.65	0.78	38.0	50.0	1.5	1.8	5.7	6.3
PUB-11510-R60 HF	0.60	0.85	1.0	32.0	45.0	1.5	1.8	5.7	6.3
PUB-11510-R68 HF	0.68	0.85	1.0	32.0	40.0	1.5	1.8	5.7	6.3
PUB-11510-R80 HF	0.80	1.20	1.45	27.0	40.0	1.4	1.7	5.7	6.3
PUB-11510-1R0 HF	1.0	1.5	1.8	25.0	40.0	1.2	1.5	6.4	6.3
PUB-11510-1R2 HF	1.2	2.0	2.4	21.0	40.0	1.2	1.5	6.4	6.3
PUB-11510-1R5 HF	1.5	2.0	2.4	21.0	35.0	1.2	1.5	6.4	6.3
PUB-11510-2R2 HF	2.2	3.5	4.2	16.0	30.0	1.0	1.3	6.6	6.6
PUB-11510-3R3 HF	3.3	6.0	7.2	12.0	25.0	1.0	1.3	6.6	6.6
PUB-11510-4R7 HF	4.7	9.4	10.5	13.5	23.0	1.1	1.5	6.6	7.3

NOTE(1): Measuring condition: 100 KHZ, 1Vrms.

(2): $\Delta T=40^{\circ}\text{C}$ approximately under the temperature rise current.

(3): The saturation current indicates the value of DC current is approximately 20% lower than its initial value of inductance.

(4): Operating temperature range $-25^{\circ}\text{C} \sim +125^{\circ}\text{C}$.

PHYSICAL DIMENSION : (UNIT:mm)

