

# HIGH CURRENT INDUCTORS

MODEL NO. : PHI-10070 HF SERIES



## FEATURES:

- \* HIGH POWER, LOW LOSS, LOW DCR WITH LARGE CURRENT DESIGN.
- \* CLOSED MAGNETIC CIRCUIT CONSTRUCTION FOR HIGH DENSITY BOARD ASSEMBLY .
- \* COMPACT SIZE WITH HIGH PERFORMANCE DUST CORE.
- \* COMPLIANT WITH RoHS AND HALOGEN FREE.

## APPLICATION :

- \* VGA CARD.
- \* DC/DC CONVERTER IN POWER REGULATION SYSTEM.
- \* MOTHERBOARD.

## ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE ( $\mu$ H) $\pm$ 20%. @0ADC	INDUCTANCE ( $\mu$ H)TYP	TEMPERATURE RISE CURRENT (ADC)	INDUCTANCE ( $\mu$ H) TYP	SATURATION CURRENT (ADC) (NOTE 3)	DCR MAX (m $\Omega$ )	"Z" (REF)
PHI-10070-R29 HF	0.29	0.28	30	0.25	45	0.80	1.6
PHI-10070-R50 HF	0.50	0.48	22	0.44	35	1.85	1.3
PHI-10070-R80 HF	0.80	0.73	17	0.68	25	2.80	1.1

NOTE(1): Test frequency: 100 KHZ,1Vrms.

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

NOTE(3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

## PHYSICAL DIMENSION : (UNIT:mm)

