

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 (μ H) \pm 20%. @0ADC	INDUCTANCE (μ H)TYP	TEMPERATURE RISE CURRENT (ADC)	INDUCTANCE (μ H) TYP	SATURATION CURRENT (ADC) (NOTE 3)	DCR MAX (m Ω)	"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)

