HIGH CURRENT INDUCTORS

MODEL NO. : FMJ- 0750R HF SERIES

FEATURES:

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

APPLICATION :

∗ DC/DC CONVERTER IN POWER REGULATION SYSTEM.
  ● NOTEBOOK COMPUTERS ● DESKTOP PC.
  ● VGA CARD ● SERVERS ● ROUTERS
∗ INDUCTOR FOR GENERAL PURPOSE AVAILBLE.

APPEARANCE:

ELECTRICAL SPECIFICATION:

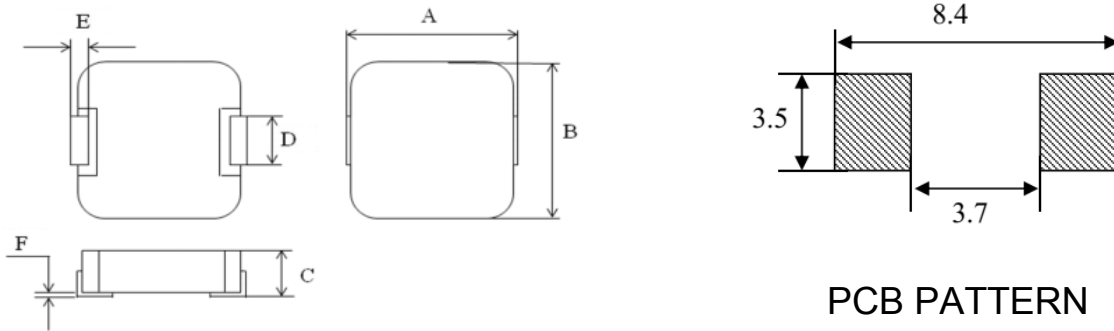| PART NO	INDUCTANCE (uH) ±20%	DCR(mΩ)		TEMPERATURE RISE CURRENT (ADC) TYPICAL	SATURATION CURRENT (ADC) TYPICAL (NOTE 3)
		TYPICAL	MAX		
FMJ-0750R-5R5 HF	5.5	27	33	6.3	9.5
FMJ-0750R-6R8 HF	6.8	31	37	6.0	8.0
FMJ-0750R-100 HF	10	53	65	4.0	6.5
FMJ-0750R-150 HF	15	76	85	3.8	5.0
FMJ-0750R-180 HF	18	90	100	3.5	4.5
FMJ-0750R-220 HF	22	116	130	3.0	4.0
FMJ-0750R-330 HF	33	170	185	2.7	3.0
FMJ-0750R-470 HF	47	295	330	2.0	2.5

NOTE(1): Measuring condition: 100 KHZ, 1Vrms.
NOTE(2): Δ T=40℃ 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.
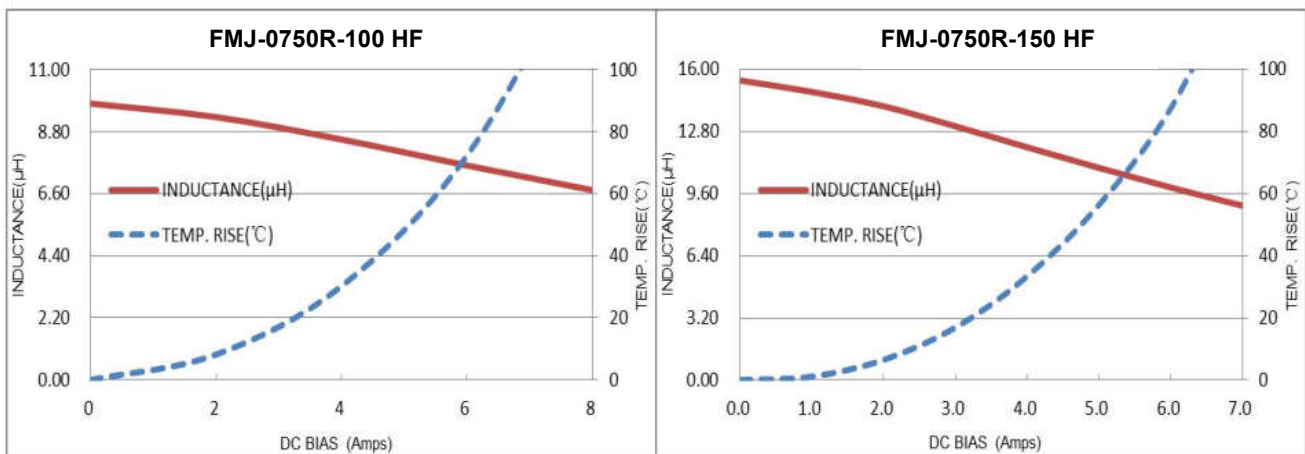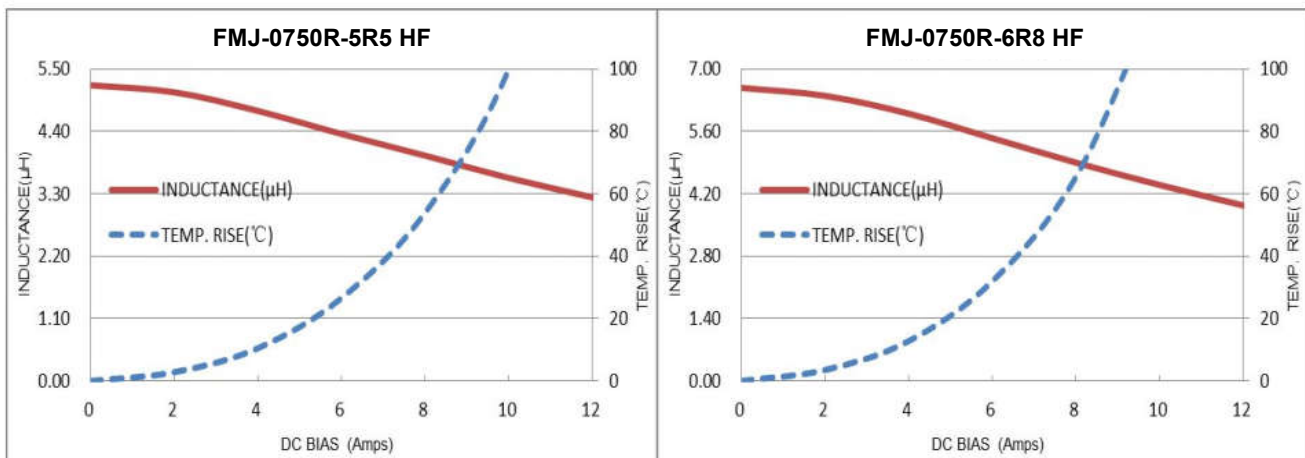NOTE(4): Operating temperature range -55℃~ +125℃ (ambient + self-temp. rise) .
NOTE(5): The part temperature (ambient + temp. rise) should not exceed 125 °C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
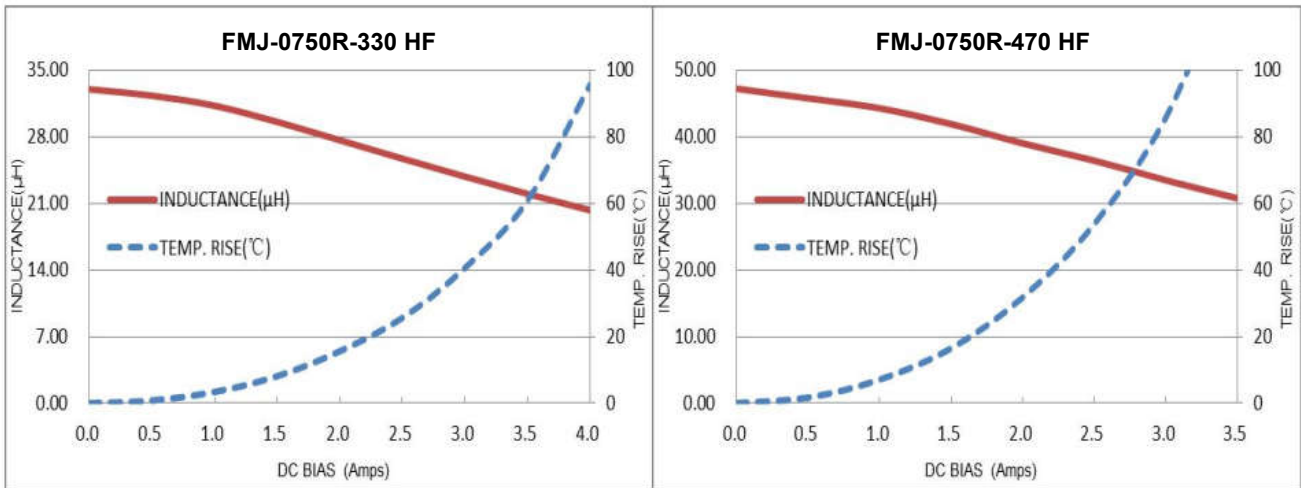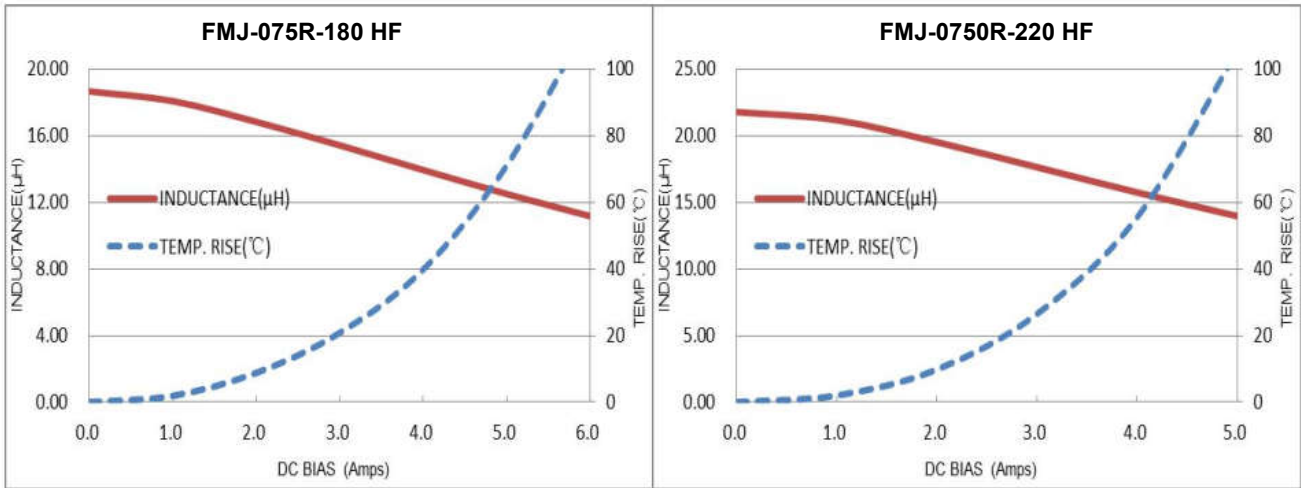
PHYSICAL DIMENSION : (UNIT:mm)

PCB PATTERN

A	B	C	D	E	F
7.4 Max	6.6±0.2	5.0 Max.	3.0±0.3	1.6±0.5	0~0.15

Inductance and Temperature Rise vs. DC Current

FMJ-0750R-5R5 HF

FMJ-0750R-6R8 HF

FMJ-0750R-100 HF

FMJ-0750R-150 HF

FMJ-075R-180 HF

FMJ-0750R-220 HF

FMJ-0750R-330 HF

FMJ-0750R-470 HF

PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",800PCS.
2. TAPE WIDTH:16mm.
3. REEL WIDTH:22.4mm.
4. COMPONENT PITCH:12mm
5. WEIGHT: 2.5 g / pcs typ.