

HIGH CURRENT INDUCTORS



MODEL NO. : FMJ- 0630T HF SERIES

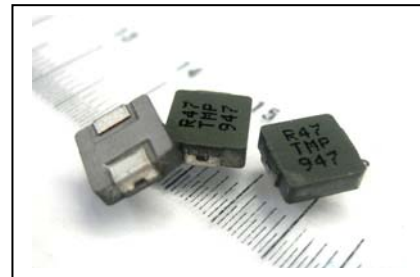
FEATURES:

- * 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 AVAILABLE.

APPEARANCE:



ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (uH) ±20%	DCR(mΩ)		TEMPERATURE RISE CURRENT (ADC) TYPICAL	SATURATION CURRENT (ADC) TYPICAL (NOTE 3)
		TYPICAL	MAX		
FMJ-0630T-R20 HF	0.20	2.4	3.0	24.0	41.0
FMJ-0630T-R33 HF	0.33	3.5	3.9	20.0	30.0
FMJ-0630T-R47 HF	0.47	4.0	4.2	17.5	26.0
FMJ-0630T-R68 HF	0.68	5.0	5.5	15.5	25.0
FMJ-0630T-R82 HF	0.82	6.7	8.0	13.0	24.0
FMJ-0630T-1R0 HF	1.0	9.0	10	11.0	22.0
FMJ-0630T-1R5 HF	1.5	14	15	9.0	18.0
FMJ-0630T-2R2 HF	2.2	18	20	8.0	14.0
FMJ-0630T-3R3 HF	3.3	28	30	6.0	13.5
FMJ-0630T-4R7 HF	4.7	37	40	5.5	10.0
FMJ-0630T-6R8 HF	6.8	54	60	4.5	8.0
FMJ-0630T-8R2 HF	8.2	64	68	4.0	7.5
FMJ-0630T-8R2A HF	8.2	54	60	4.5	6.0
FMJ-0630T-100E HF	10.0	62	68	4.0	5.5

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

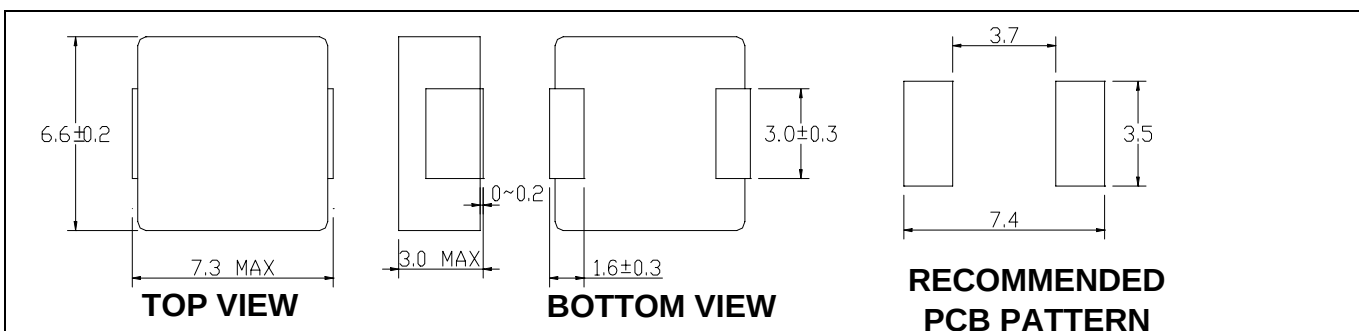
NOTE(2): $\Delta T=40^{\circ}\text{C}$ approximately under the temperature rise current.

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

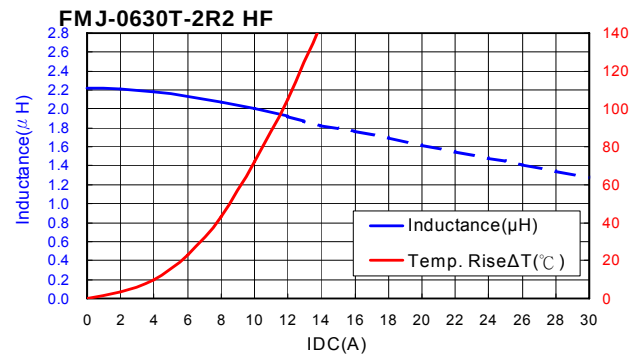
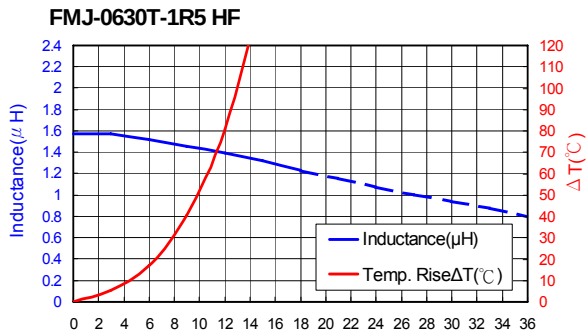
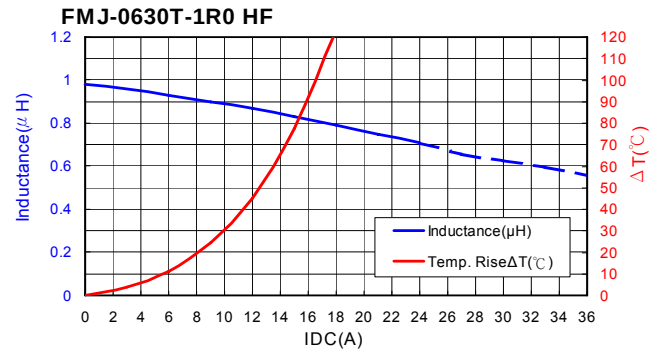
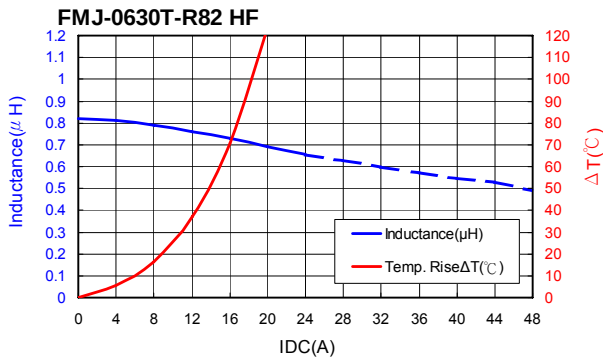
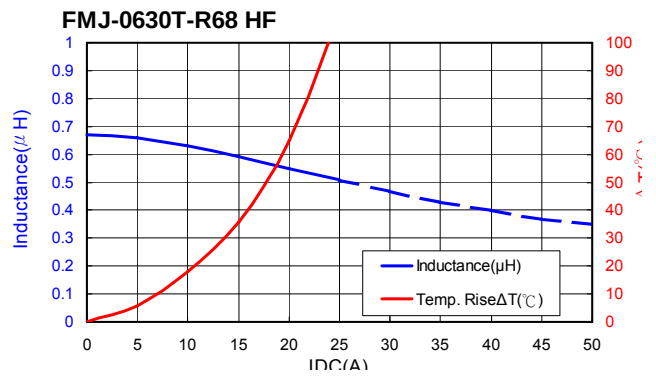
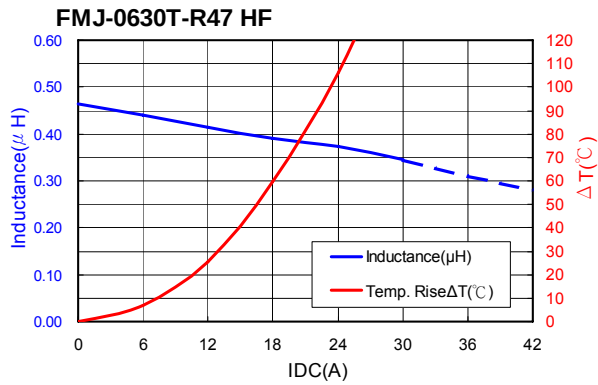
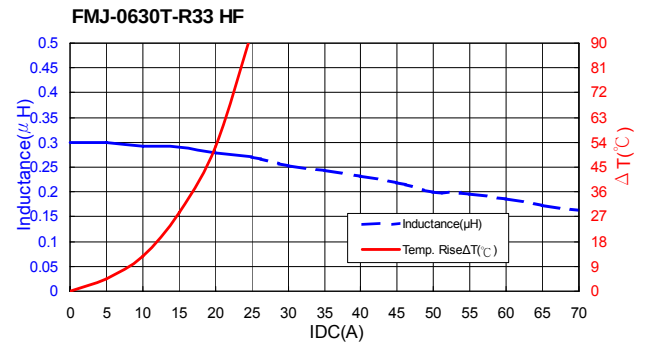
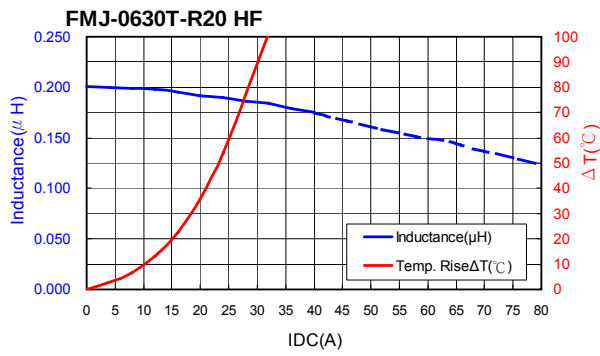
NOTE(4): Acoustic noise: 55 dB max. @ freq. Span 0~20KHz, less than 35 dB under ambient.

NOTE(5): Operating temperature range $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$.

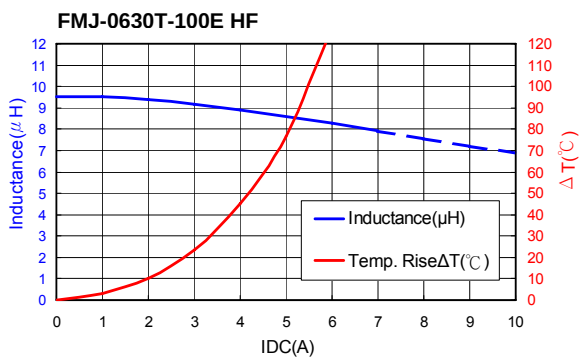
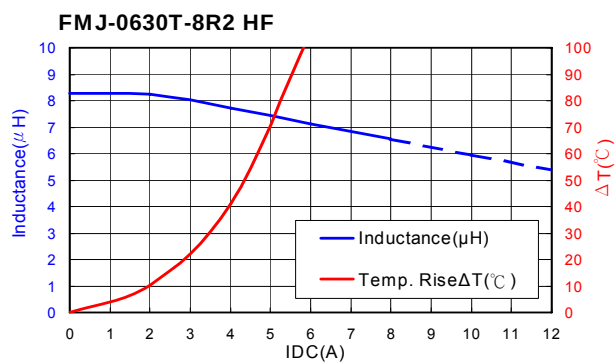
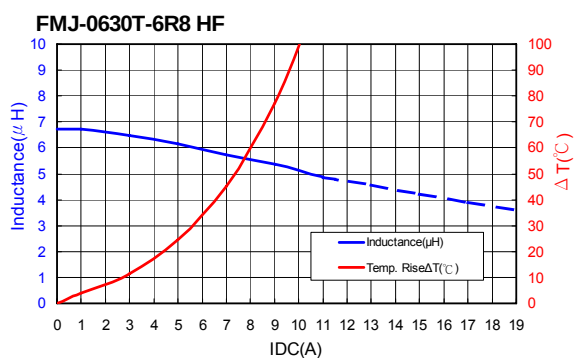
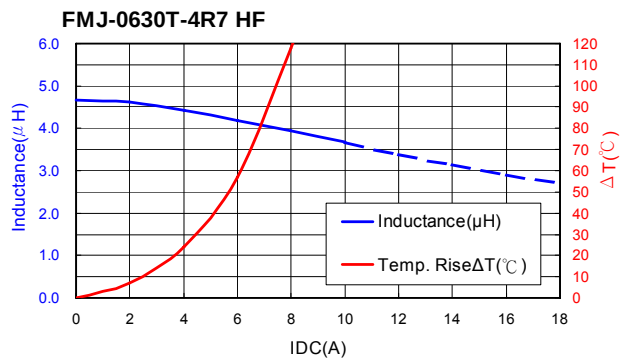
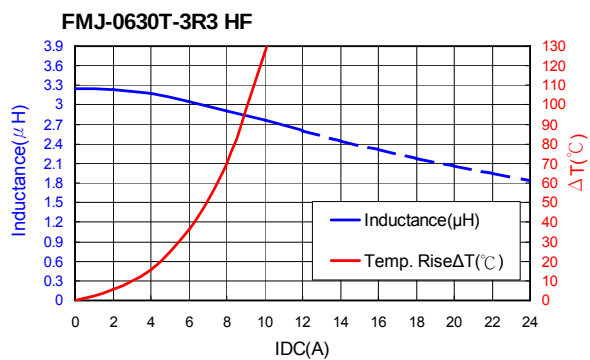
PHYSICAL DIMENSION : (UNIT:mm)



PERFORMANCE GRAPHS



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PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",1500PCS.
2. TAPE WIDTH:16mm.
3. REEL WIDTH:22.4mm.
4. COMPONENT PITCH:12mm