

# HIGH CURRENT INDUCTORS

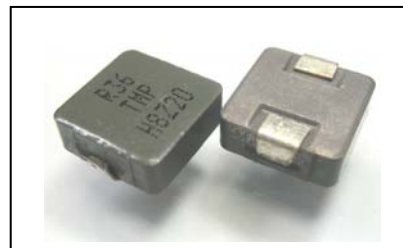


**MODEL NO. : FMJ-1040 HF SERIES**

## 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.

## APPEARANCE:



## APPLICATION :

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

## ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (uH) ±20%	TEMPERATURE RISE CURRENT (ADC) TYPICAL (NOTE2)	SATURATION CURRENT (ADC) TYPICAL (NOTE 3)	DCR (mΩ)
FMJ-1040R-R22 HF	0.22	35	60	0.82±5%
FMJ-1040R-R36 HF	0.36	30	50	1.1±10%
FMJ-1040R-R36A HF	0.36	32	50	0.8±10%
FMJ-1040R-R45 HF	0.45	25	27	1.2±10%
FMJ-1040R-R56 HF	0.56	25	33	1.6±10%
FMJ-1040R-R88 HF	0.88	20	38	2.3±10%
FMJ-1040R-1R0 HF	1.0	22.5	28	2.35±7%
FMJ-1040R-1R0A HF	1.0	18	36	3.5 MAX
FMJ-1040R-1R5 HF	1.5	16	32	4.2 MAX
FMJ-1040T-3R3 HF	3.3	10	18.6	11.8 MAX
FMJ-1040T-4R7 HF	4.7	9.5	17.0	16.5 MAX
FMJ-1040T-100 HF	10.0	6.0	6.0	30 MAX

## DIMENSION:

W	W1
±0.5 (mm)	(mm)
3.0	4.1
3.0	4.1
3.0	4.1
3.0	4.1
3.0	4.1
3.0	4.1
3.0	4.1
3.0	4.1
3.0	4.1
4.1	5.0
4.1	5.0
3.0	4.1

NOTE(1): Measuring condition: 100 KHZ, 0.1Vrms.

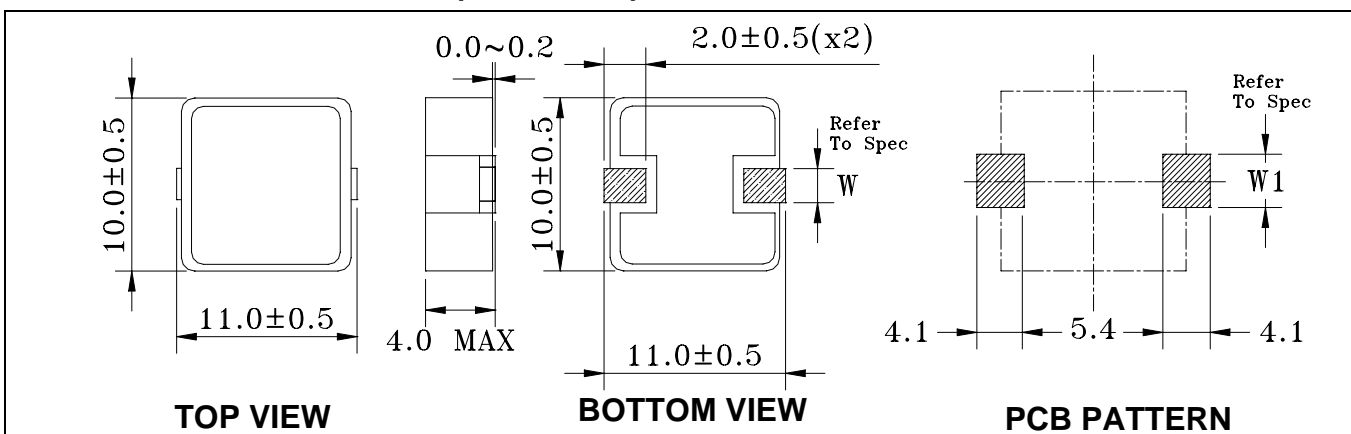
NOTE(2):  $\Delta T=40^{\circ}\text{C}$  Approximately under the temperature rise current.

NOTE(3): The saturation current indicates the value of DC current is approximately 20% 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)



## PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",800PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm