



※ Features

- Compact size using flat wire, and SMD type.
- Low profile: Thickness max 6.8mm
- Low radiation noise by magnetically shielded construction
- High current, Low resistance.
- 100% lead (Pb) free meet RoHS standards

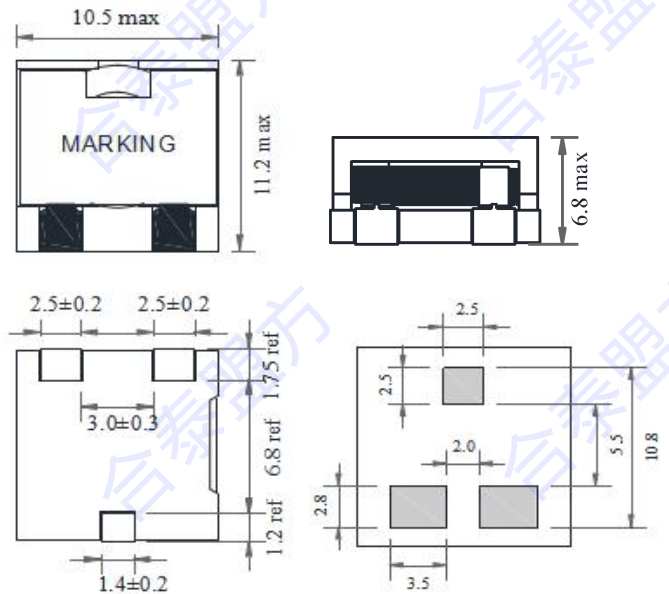


※ Application

- high efficiency DC/DC converters.
- Single and polyphase buck converters.
- Filter for audio applications.
- Optimized for high current boost applications.
- Laptops, Graphic cards, Motherboards.

Part number	L0(μH) Inductance ±20% @0A(μH)	Rdc (mΩ) @25°C	Heat Rating Current DC Amps. Idc (A)	Saturation Current DC Amps Isat (A)
		Max.	Typ.	Typ.
HAFC-1265-5R6M	5.6	10.5	8.5	12.0
HAFC-1265-6R8M	6.8	12.0	7.8	11.0
HAFC-1265-9R0M	9.0	16.0	6.6	9.5
HAFC-1265-100M	10.0	18.8	6.0	9.5
HAFC-1265-120M	12.0	21.0	5.2	7.5
HAFC-1265-150M	15.0	26.5	4.6	7.0
HAFC-1265-220M	22.0	40.0	4.0	5.5

※ Dimensions in inches (unit:mm)



Suggested pad layout
Dimensions are in mm

※Note:

- All test data is reference to 25°C ambient.
- Test Condition: 100KHz, 0.1Vrms
- Idc: DC current (A) that will cause an approximate ΔT of 40°C
- Isat : DC current (A) that will cause L0 to drop approximately 30%
- Operat between temperature range -55°C to +125°C
The part temperature (ambient + temp rise) should not exceed 125°C under the worst case operating conditions. Circuit design, component. PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.
- The rated current as listed is either the saturation current or the heating current depending on which value is lower.

※ Regulation of Part number

HAFC - 1265 - 3R3 - M
① ② ③ ④ ⑤ ⑥

- ① Hotland assemble ;
- ② Wire: F: Flat wire
- ③ The outlet position :C为 270°

- ④ Dimensions(unit:mm):11.2x10.5x6.5
- ⑤ Inductance Value:3R3=3.3μH;
- ⑥ Tolerance:M=±20%