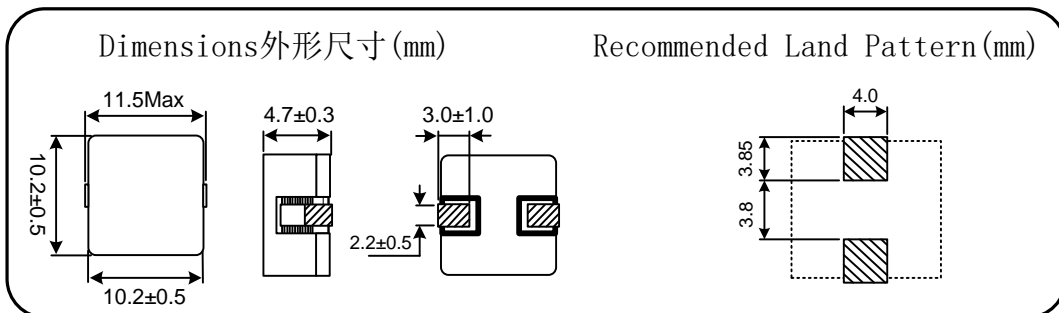
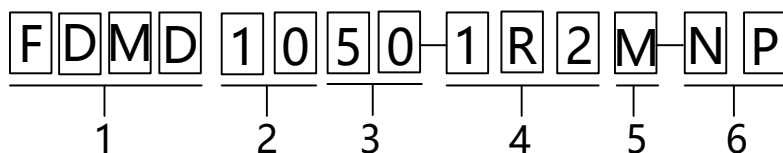


Type: FDMD1050



## PRODUCT IDENTIFICATION/产品标识



1. Product symbol/产品类型 : FDMD(shield/屏蔽)
2. Body length/产品长度 : mm
3. Body height/产品高度 : mm
4. Inductance/感量 :  $\mu\text{H}$
5. Tolerance/公差 : M  $\pm 20\%$
6. RoHs Compliant(SGS Certified)

本产品满足环境保护要求(有害物质限用)



## FEATURES:

- Quantity/reel:700PCS.
- Square 10.2mm type(11.5mm Max),Height 5.0mm Max.
- Flat wire winding, achieve a low DC resistance.
- Magnetic shielded structure: excellent resistance to electro magnetic interference(EMI).
- Widely use in DC-DC converter/Motherboards/industrial computers, High current switching regulators.

## 特长:

- 数量/卷:700PCS.
- 方形10.2mm(11.5mm Max),高度5.0mm Max.
- 扁平线绕组,低直流电阻.
- 磁屏蔽结构:优异的抗电磁干扰(EMI)性能.
- 广泛应用于升降压转换器/主板/工业计算机, 大电流开关稳压器.

## ELECTRICAL CHARACTERISTICS/电气特性

Part NO. 品名	Inductance 电感量( $\mu\text{H}$ )	Tolerance 公差(%)	RDC直流电阻		I sat(Typ.) 饱和电流(A)	I rms(Typ.) 温升电流(A)
			Typ.(m $\Omega$ )	Max(m $\Omega$ )		
FDMD1050-R18	0.18	M	0.45	0.55	55.0	32.0
FDMD1050-R39	0.39	M	0.67	0.77	38.0	24.0
FDMD1050-R82	0.82	M	1.26	1.50	30.0	23.0
FDMD1050-1R2	1.2	M	2.05	2.35	25.0	19.0
FDMD1050-1R8	1.8	M	2.98	3.45	20.0	17.0
FDMD1050-2R5	2.5	M	4.06	4.70	17.0	15.0
FDMD1050-3R3	3.3	M	5.37	6.50	15.0	13.0
FDMD1050-4R2	4.2	M	7.11	8.50	14.0	11.0
FDMD1050-5R5	5.5	M	8.62	9.90	12.0	10.3
FDMD1050-6R8	6.8	M	10.50	12.10	10.0	9.0
FDMD1050-8R2	8.2	M	13.10	15.10	9.5	8.1
FDMD1050-100	10	M	16.40	18.90	8.5	7.1
FDMD1050-150	15	M	25.90	29.80	7.0	5.5
FDMD1050-180	18	M	34.70	39.90	6.2	5.0

 Inductance Range/电感范围:0.18~18 $\mu\text{H}$ 

 Operating Temperature/工作温度:  $-50^{\circ}\text{C} \sim +150^{\circ}\text{C}$ 

 Storage Temperature/储存温度:  $-50^{\circ}\text{C} \sim +150^{\circ}\text{C}$ 

(1) Test frequency :100KHz/0.5V;

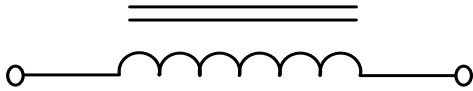
 (2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by  $50^{\circ}\text{C}$ , whichever is smaller(At ambient reference temperature: $25^{\circ}\text{C}$ ).

(1) 电感测试频率:100KHz/0.5V;

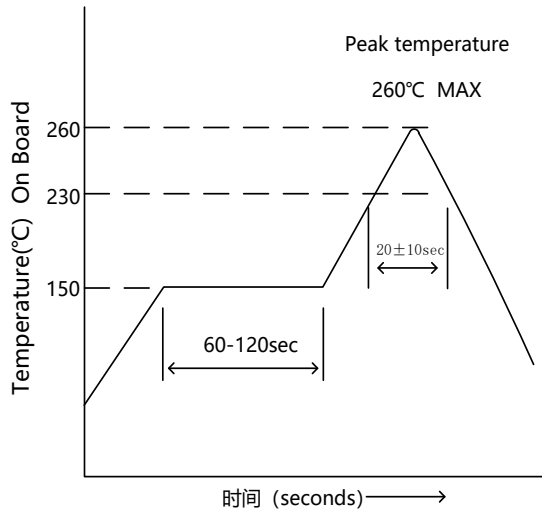
 (2) 最大容许电流定义:电感下降30%或温度上升 $50^{\circ}\text{C}$ 时,取其小值作为最大容许电流(周围环境温度 $25^{\circ}\text{C}$ ).



Electrical Schematic/原理图



Recommended Temperature Conditions of Air Reflow Soldering/推荐回流焊温度条件



In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.

除了这里显示的标准品之外,可根据客户要求设计.

[www.fonrita.com](http://www.fonrita.com)