

## FMD17070 Series



### FEATURES

High performance (Isat) realized by metal dust core  
Low loss realized with low DCR

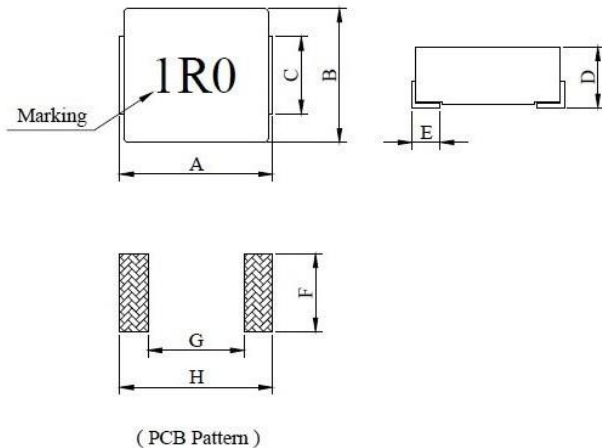
### APPLICATIONS

DC/DC converter for CPU in Notebook PC

### SPECIFICATIONS

Operating temperature range	-40 to +125°C
Storage temperature range	Under 25°C
Packaging style	Taping
Quantities	150 pieces/reel

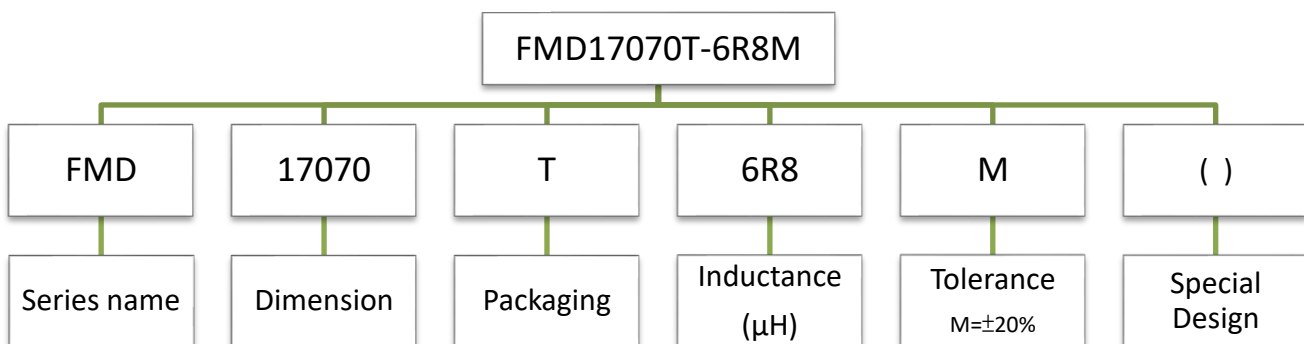
### SHAPE AND DIMENSIONS (mm)



Item	Spec.(mm)
A	18.0±0.3
B	17.15max
C	11.9±0.3
D	7.0max
E	2.90±0.5
F	12.1 ref
G	11.7 ref
H	18.1 ref

### PRODUCT IDENTIFICATION

(ex.)



### Attention & Caution :

**Please avoid following matters:**

\* Splashing water or salt water \* Toxic Gas (Hydrogen sulfide, Sulfurous acid, Chlorine, Ammonia)

\* Vibrations or shocks which exceed the specified condition \* Dew condensates

\* Please be careful for the stress to this product by board flexure or something after the mounting.

## ELECTRICAL CHARACTERISTICS

Part No.	Inductance	RDC(mΩ)	RDC(mΩ)	Isat(A)	Irms(A)
	( μH )±20%	Typ.	Max.	Typ.	Typ.
FMD17070T-1R0M	1.0	1.21	1.27	32.0	55.5
FMD17070T-1R5M	1.5	1.54	1.62	31.0	48.0
FMD17070T-2R2M	2.2	1.85	1.98	28.0	43.5
FMD17070T-3R3M	3.3	2.79	2.93	27.0	35.0
FMD17070T-4R7M	4.7	3.98	4.18	21.0	30.0
FMD17070T-5R6M	5.6	4.23	4.44	21.0	28.0
FMD17070T-6R8M	6.8	5.86	6.15	18.5	22.5
FMD17070T-8R2M	8.2	7.71	8.10	18.0	21.0
FMD17070T-100M	10.0	8.89	9.33	17.0	19.0
FMD17070T-150M	15.0	13.7	14.4	12.0	14.0
FMD17070T-220M	22.0	20.0	21.0	9.5	12.0
FMD17070T-330M	33.0	35.1	37.0	9.0	10.7
FMD17070T-470M	47.0	40.7	42.7	8.6	8.7
FMD17070T-560M	56.0	55.0	57.8	4.5	7.2
FMD17070T-680M	68.0	72.1	75.7	4.5	6.1
FMD17070T-820M	82.0	87.3	91.7	4.2	5.5
FMD17070T-101M	100.0	105.0	110.0	4.0	5.0

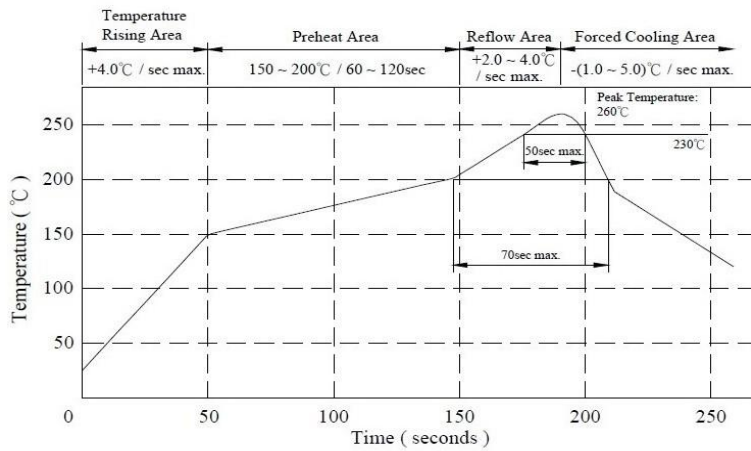
\* Test Condition @100KHz , 1.0Vrms , 25°C Ambient

\* Isat : Saturated Current measured at the point of L drop approximately 30%

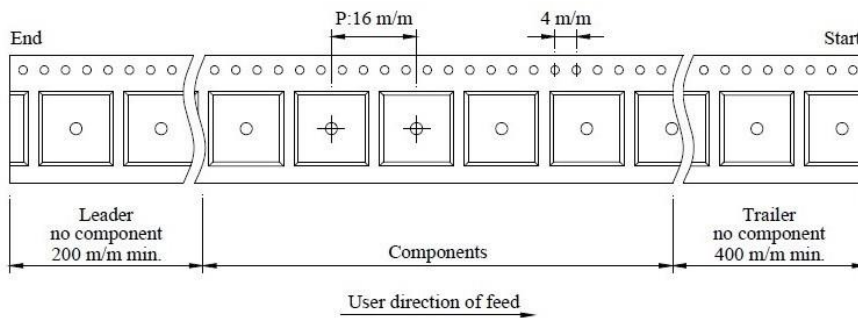
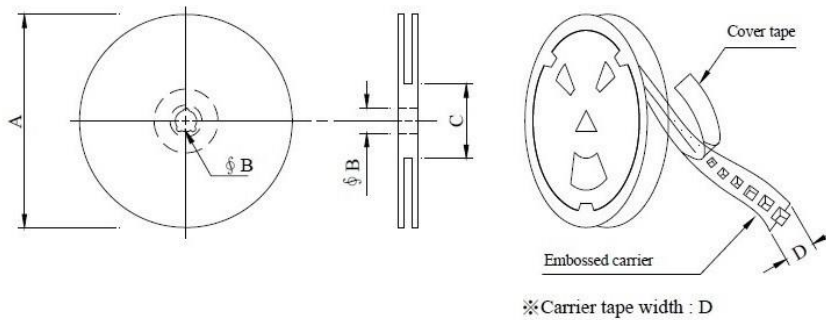
\* Irms : Rated Current Loading when temperature rise approximately 40°C

## RECOMMENDED SOLDERING CONDITIONS

Peak Temp : 260°C max.  
 Max time above 230°C : 50sec max.  
 Max time above 200°C : 70sec max.



## PACKAGE



Reel type	A	B	C	D	Reel Q'ty
13-32	330mm	13mm	100mm	32mm	150pcs