

## FMD1040Series



### FEATURES

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

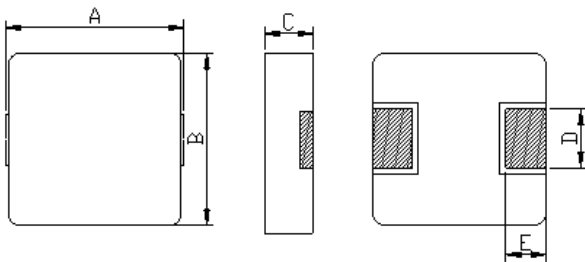
### APPLICATIONS

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	800 pieces/reel

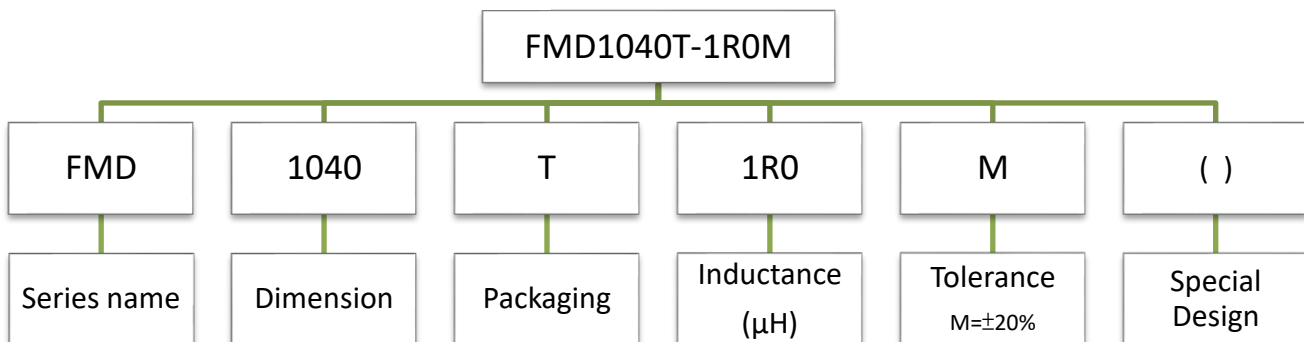
### SHAPE AND DIMENSIONS (mm)



ITEM	A/mm	B/mm	C/mm	D/mm	E/mm
SPEC	11.5±1.0	10.5±0.5	4.0max.	3.0typ.	2.3typ.

### 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 condens

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

## ELECTRICAL CHARACTERISTICS

Part No.	Inductance ( $\mu\text{H}$ ) $\pm 20\%$	RDC(m $\Omega$ )		Isat(A)		Irms(A)	
		Typ.	Max.	Typ.	Typ.	Typ.	Typ.
FMD1040T-R19M	0.19	0.88	0.95	90		40	
FMD1040T-R36M	0.36	1.30	1.40	60		31.5	
FMD1040T-R56M	0.56	1.70	1.80	49		27.5	
FMD1040T-1R0M	1.0	3.70	4.10	36		17.5	
FMD1040T-1R5M	1.5	5.30	5.80	27.5		15	
FMD1040T-2R2M	2.2	8.20	9.00	25.5		12	
FMD1040T-3R3M	3.3	10.8	11.8	18.6		10	
FMD1040T-4R7M	4.7	15.0	16.5	17		9.5	
FMD1040T-6R8M	6.8	21.2	23.3	13.5		8.0	
FMD1040T-100M	10.0	33.2	36.5	12		6.8	

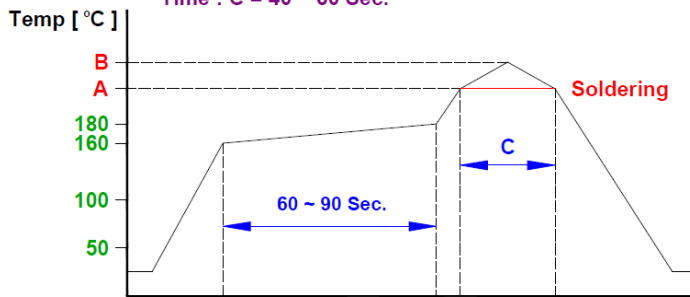
\* Test Condition @100KHz , 1.0Vrms , 25°C Ambient

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

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

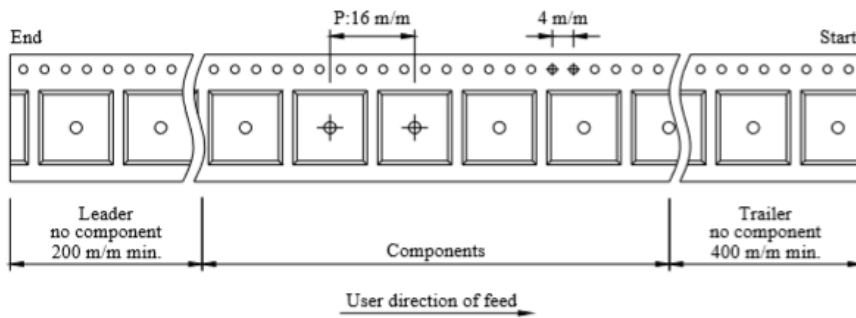
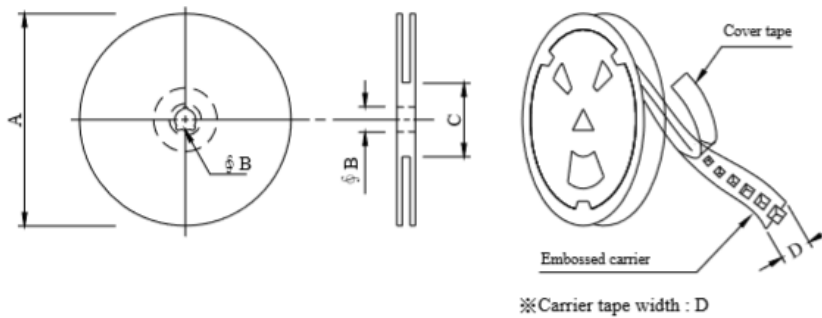
## RECOMMENDED SOLDERING CONDITIONS

Lead Free Solder : A = 217 °C    B = 245 +/- 5 °C  
 Time : C = 40 ~ 60 Sec.



Notice : Iron Soldering , Solder < 30 Watt , Direct touch the terminal x 3 Sec. Max. @ 350 °C

## PACKAGE



Reel type	A	B	C	D	Reel Q'ty
13-24	330mm	13mm	100mm	24mm	800pcs