

## FMD6030 Series



### FEATURES

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

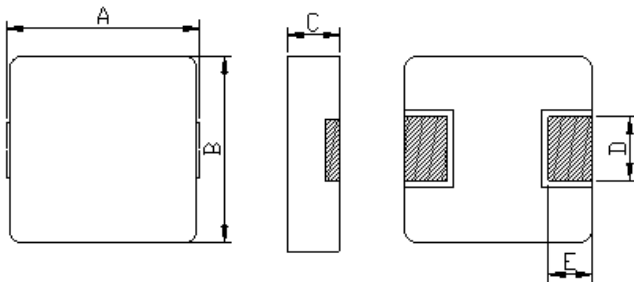
### APPLICATIONS

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	1000 pieces/reel

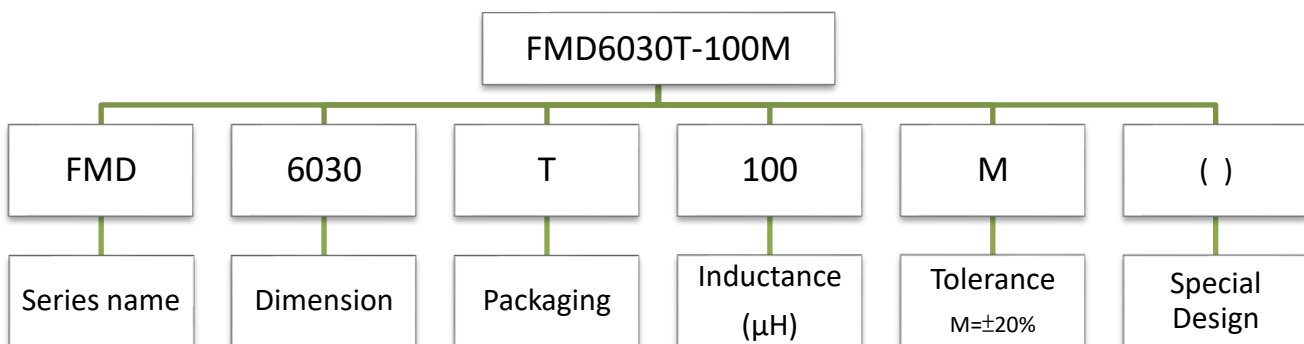
### SHAPE AND DIMENSIONS (mm)



ITEM	A/mm	B/mm	C/mm	D/mm	E/mm
SPEC	7.1max	7.8max	3.0max	3.0±0.5	1.6±0.5

### 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

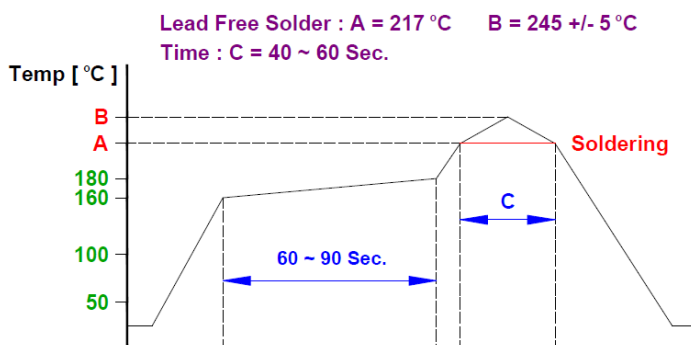
Part No.	Inductance ( $\mu\text{H}$ ) $\pm 20\%$	RDC( $\text{m}\Omega$ )		Isat(A) Typ.	Irms(A) Typ.
		Typ.	Max.		
FMD6030T-R10M	0.10	1.50	1.70	60.00	32.50
FMD6030T-R15M	0.15	1.90	2.50	52.00	26.00
FMD6030T-R20M	0.20	2.40	2.80	41.00	24.00
FMD6030T-R22M	0.22	2.50	3.00	40.00	23.00
FMD6030T-R33M	0.33	3.50	3.90	30.00	20.00
FMD6030T-R47M	0.47	4.00	4.20	26.00	17.50
FMD6030T-R56M	0.56	5.00	5.50	25.00	15.50
FMD6030T-R68M	0.68	5.00	5.50	25.00	15.50
FMD6030T-R82M	0.82	6.70	8.00	24.00	13.00
FMD6030T-1R0M	1.00	9.00	10.00	22.00	11.00
FMD6030T-1R5M	1.50	14.00	15.00	18.00	9.00
FMD6030T-2R2M	2.20	18.00	20.00	14.00	8.00
FMD6030T-2R7M	2.70	18.00	20.00	13.50	8.00
FMD6030T-3R3M	3.30	28.00	30.00	11.0	6.00
FMD6030T-4R7M	4.70	37.00	40.00	10.00	5.50
FMD6030T-5R6M	5.60	52.00	57.00	10.00	4.80
FMD6030T-6R8M	6.80	54.00	60.00	8.00	4.50
FMD6030T-8R2M	8.20	64.00	68.00	7.50	4.00
FMD6030T-100M	10.0	102.00	105.00	7.00	3.00

\* 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

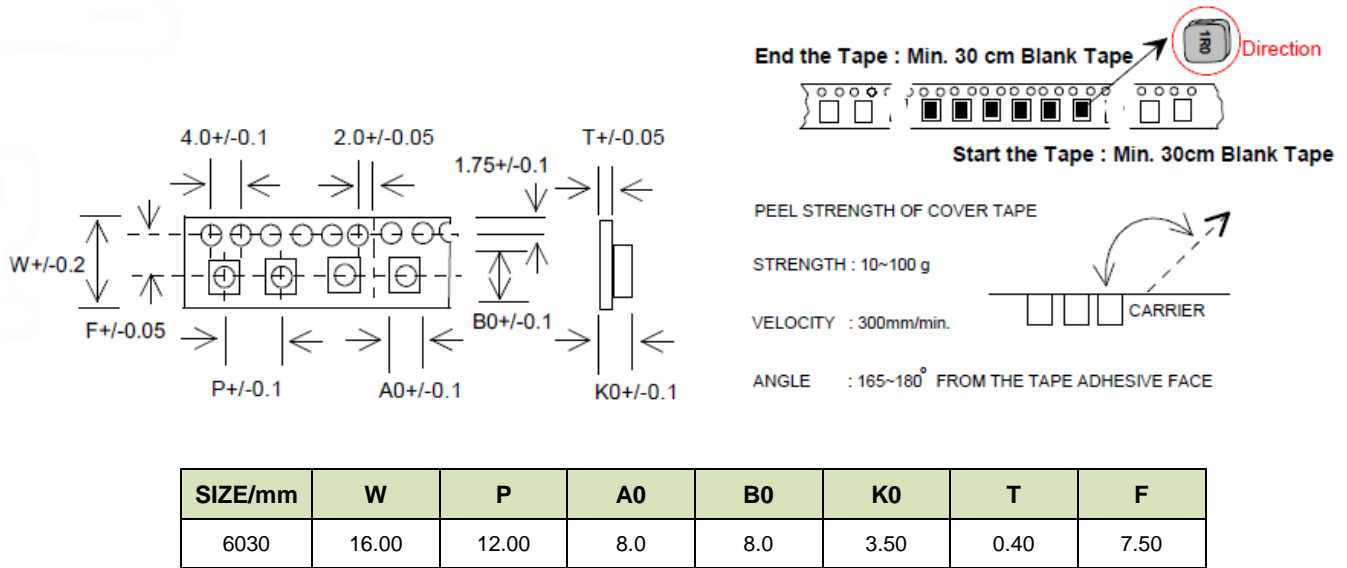
## RECOMMENDED SOLDERING CONDITIONS



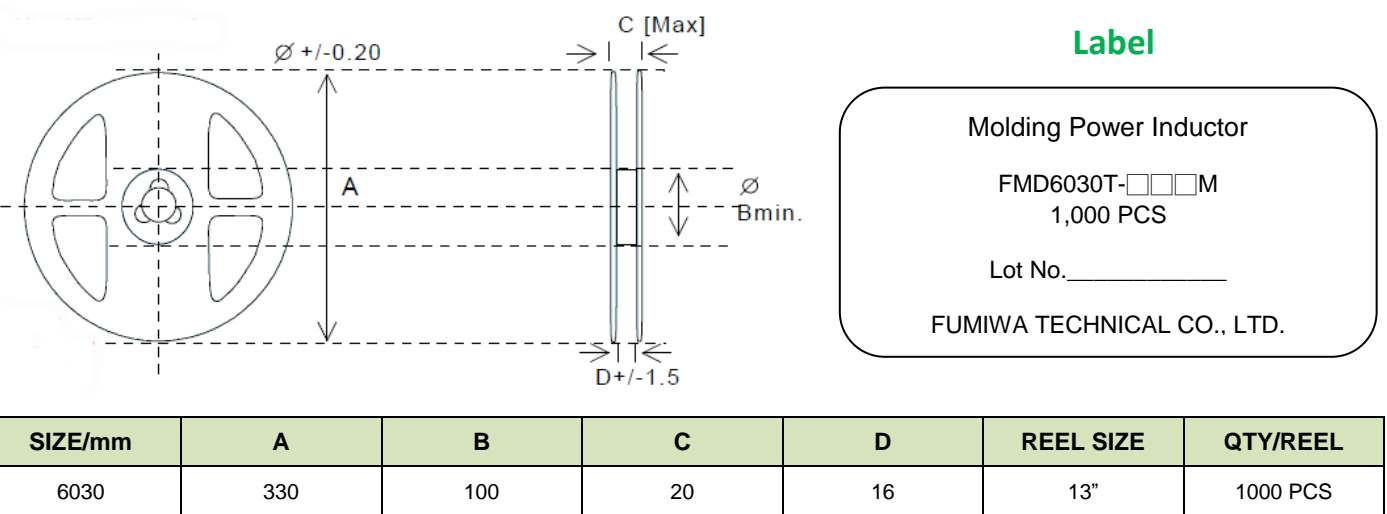
Notice : Iron Soldering , Solder < 30 Watt , Direct touch the terminal x 3 Sec. Max. @ 350 °C

## PACKAGE

### (1) Taping specifications



### (2) Reel Specifications



### (3) Box Package: Unit: cm

