

FMD1235 Series



FEATURES

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

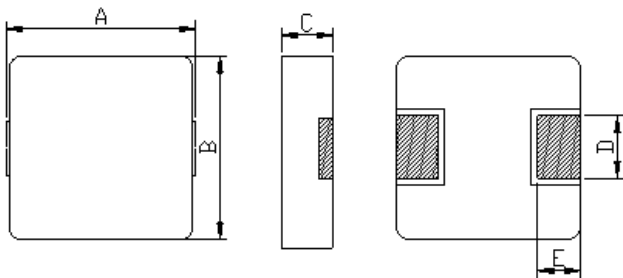
APPLICATIONS

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	500 pieces/reel

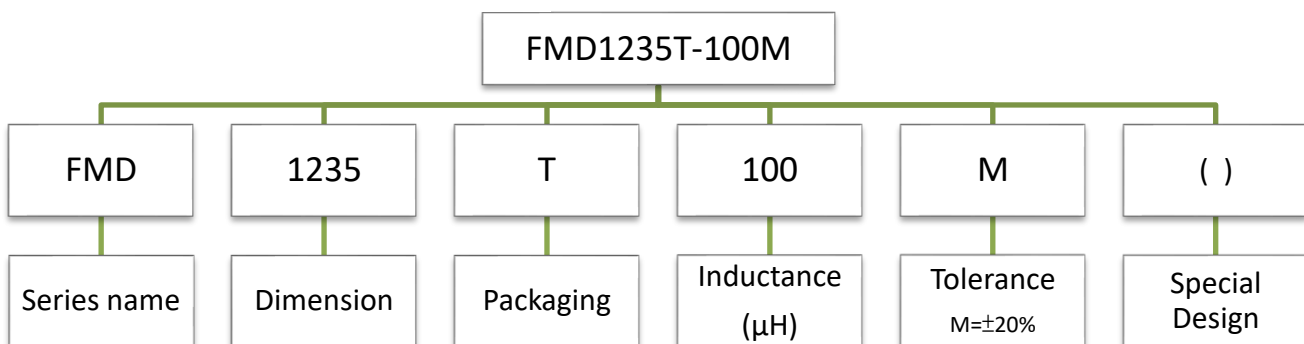
SHAPE AND DIMENSIONS (mm)



ITEM	A/mm	B/mm	C/mm	D/mm	E/mm
SPEC	14.5max	13.3max	3.8max	3.8±0.5	2.5±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 (μH) $\pm 20\%$	RDC(m Ω) Typ.	RDC(m Ω) Max.	Isat(A) Typ.	Irms(A) Typ.
FMD1235T-R10M	0.10	0.8	1.0	84	43
FMD1235T-R15M	0.15	1.0	1.2	75	41
FMD1235T-R22M	0.22	1.1	1.3	65	38.5
FMD1235T-R33M	0.33	1.3	1.5	62	36.5
FMD1235T-R47M	0.47	1.6	2.0	55	32
FMD1235T-R60M	0.60	1.8	2.2	51	29
FMD1235T-R68M	0.68	2.3	2.5	49	28
FMD1235T-R82M	0.82	2.6	3.0	44	25
FMD1235T-1R0M	1.0	3.3	3.5	40	24
FMD1235T-1R5M	1.5	5.1	5.5	35	19
FMD1235T-1R8M	1.8	6.5	7.0	30	16.5
FMD1235T-2R2M	2.2	7.2	8.0	29	16
FMD1235T-3R3M	3.3	11.0	12.0	27	12
FMD1235T-4R7M	4.7	14.3	15.0	24	10
FMD1235T-5R6M	5.6	17.1	18.0	19	9.5
FMD1235T-6R8M	6.8	19.8	22.0	18	9
FMD1235T-8R2M	8.2	24.8	28.0	16	8.5
FMD1235T-100M	10	30.4	34.0	14	7

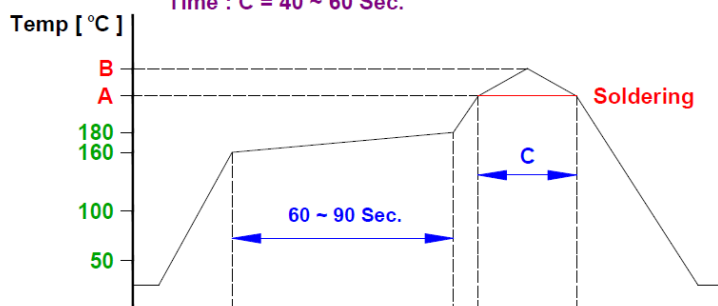
* Test Condition @100KHz , 1.0Vrms , 25 $^{\circ}$ C Ambient

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

* Irms : Rated Current Loading when temperature rise approximately 40 $^{\circ}$ C

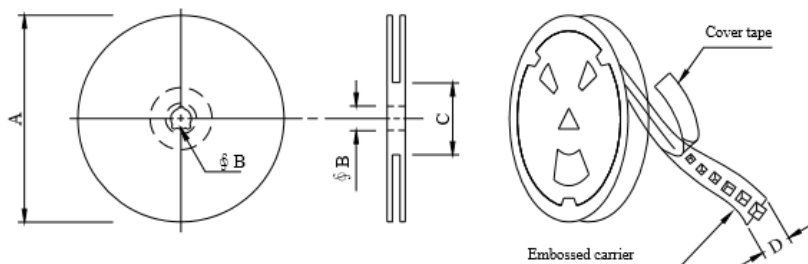
RECOMMENDED SOLDERING CONDITIONS

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

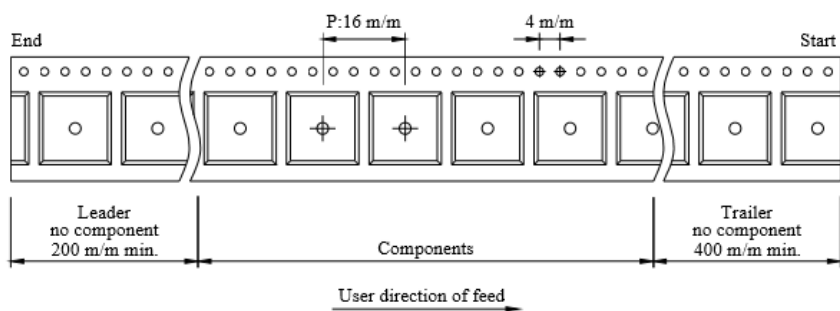


Notice : Iron Soldering , Solder < 30 Watt , Direct touch the terminal x 3 Sec. Max. @ 350 °C

PACKAGE



※Carrier tape width : D



Reel type	A	B	C	D	Reel Q'ty
13-24	330mm	13mm	100mm	24mm	500pcs