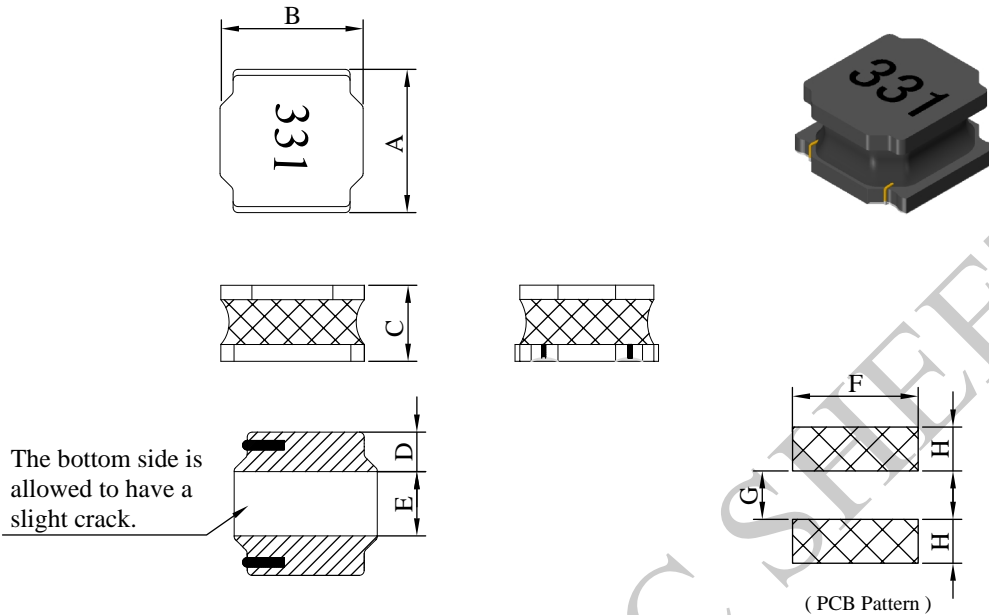


SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Semi-shielded SMD Power Inductor	ABC'S DWG NO.	GSDE8040□□□□2□H		
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I . Configuration and dimensions :



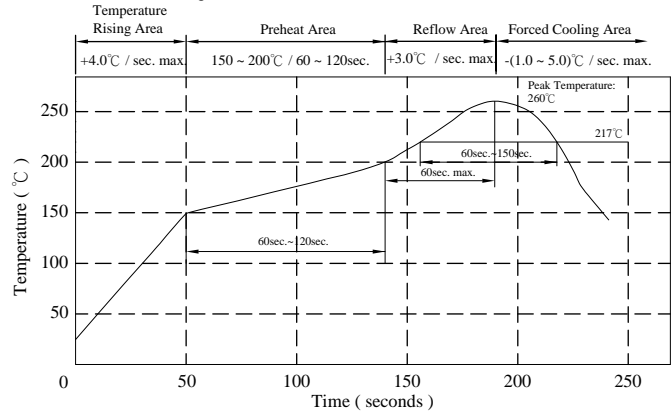
Unit : mm

A	B	C	D	E	F	G	H
8.00 ±0.3	8.00 ±0.3	4.20 max.	2.00 ±0.3	4.00 ±0.3	7.50 ref.	3.80 ref.	2.20 ref.

II . Description :

- a . Ferrite drum core construction.
- b . Enamelled copper wire : H/F class
- c . Product weight : 1.00 g (ref.)
- d . Moisture sensitivity Level 1
- e . Products comply with RoHS' requirements
- f . Halogen free

Peak temp. : 260°C max.
 Max. peak temp. - 5°C : 30sec. max.
 Max. time above 217°C : 60sec.~150sec. max.



III . General specification :

- a . Storage temp. : -40°C ----+105°C
- b . Operating temp. : -40°C ----+125°C
(Temp. rise included)
- c . Resistance to solder heat : 260°C .10 sec.

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SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Semi-shielded SMD Power Inductor	ABC'S DWG NO.	GSDE8040□□□□2□H		
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IV . Electrical characteristics :

DWG. No.	Inductance (μ H)	Test Freq. (Hz)	RDC (m Ω) \pm 30%	Isat (A) max.	Irms (A) typ
GSDE8040R56N2AH	0.56 \pm 30%	1M/0.25V	5.00	11.50	7.60
GSDE80401R0N2AH	1.00 \pm 30%	100k/0.25V	8.00	9.85	6.30
GSDE80401R5N2AH	1.50 \pm 30%	100k/0.25V	10.00	8.15	5.65
GSDE80402R2N2AH	2.20 \pm 30%	100k/0.25V	12.00	7.10	5.15
GSDE80403R3N2AH	3.30 \pm 30%	100k/0.25V	17.00	6.50	4.40
GSDE80404R7N2AH	4.70 \pm 30%	100k/0.25V	20.00	5.90	4.00
GSDE80405R6N2AH	5.60 \pm 30%	100k/0.25V	24.00	5.50	3.80
GSDE80406R8M2AH	6.80 \pm 20%	100k/0.25V	28.00	4.55	3.60
GSDE80408R2M2AH	8.20 \pm 20%	100k/0.25V	35.00	4.20	3.40
GSDE8040100M2AH	10.00 \pm 20%	100k/0.25V	37.00	3.60	3.10
GSDE8040120M2AH	12.00 \pm 20%	100k/0.25V	45.00	3.30	2.80
GSDE8040150M2AH	15.00 \pm 20%	100k/0.25V	56.00	2.95	2.50
GSDE8040180M2AH	18.00 \pm 20%	100k/0.25V	58.00	2.70	2.40
GSDE8040220M2AH	22.00 \pm 20%	100k/0.25V	74.00	2.40	2.00
GSDE8040270M2AH	27.00 \pm 20%	100k/0.25V	80.00	2.15	1.90
GSDE8040330M2AH	33.00 \pm 20%	100k/0.25V	100.00	2.05	1.70
GSDE8040470M2AH	47.00 \pm 20%	100k/0.25V	158.00	1.75	1.50
GSDE8040560M2AH	56.00 \pm 20%	100k/0.25V	160.00	1.55	1.40
GSDE8040680M2AH	68.00 \pm 20%	100k/0.25V	196.00	1.45	1.20
GSDE8040820M2AH	82.00 \pm 20%	100k/0.25V	245.00	1.30	1.10
GSDE8040101M2AH	100.00 \pm 20%	100k/0.25V	295.00	1.15	1.00
GSDE8040121M2AH	120.00 \pm 20%	100k/0.25V	380.00	1.10	0.90
GSDE8040151M2AH	150.00 \pm 20%	100k/0.25V	470.00	1.10	0.80
GSDE8040171M2AH	170.00 \pm 20%	100k/0.25V	538.00	0.95	0.75
GSDE8040181M2AH	180.00 \pm 20%	100k/0.25V	610.00	0.90	0.75
GSDE8040221M2AH	220.00 \pm 20%	100k/0.25V	660.00	0.85	0.70
GSDE8040331M2AH	330.00 \pm 20%	100k/0.25V	970.00	0.68	0.55
GSDE8040471M2AH	470.00 \pm 20%	100k/0.25V	1400.00	0.60	0.48
GSDE8040681M2AH	680.00 \pm 20%	100k/0.25V	1750.00	0.50	0.45

- 1). Electrical specifications at 25°C
- 2). Isat base on Δ L/L0A=30% max. (Approximately transient current)
- 3). Irms base on temp. rise 40°C typ.

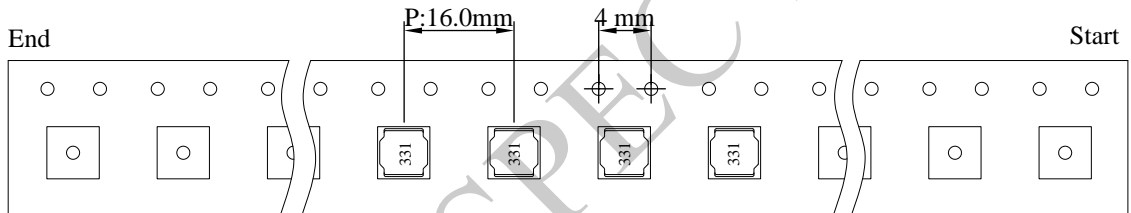
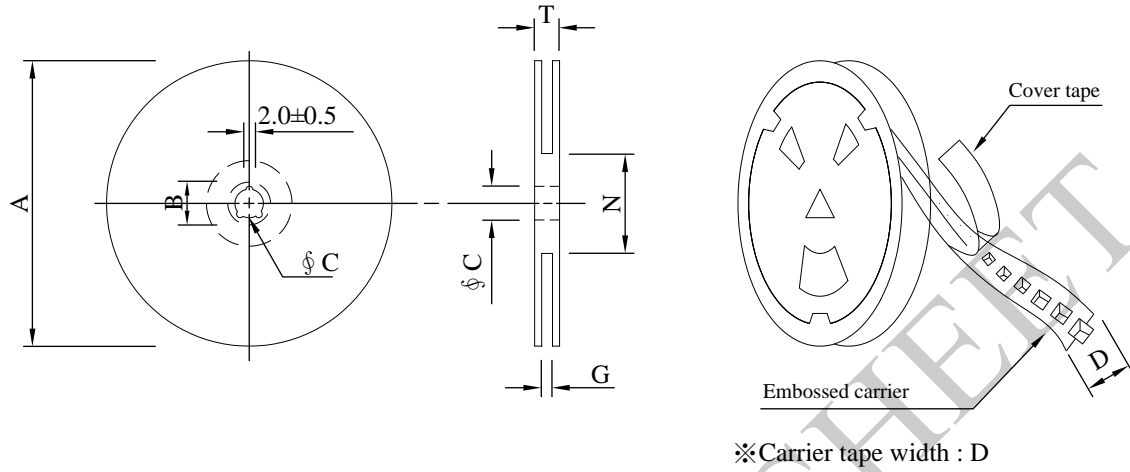
SPECIFICATION FOR APPROVAL

REF. :

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V . Packaging information :

(1) Configuration



(2) Dimensions

Unit:mm

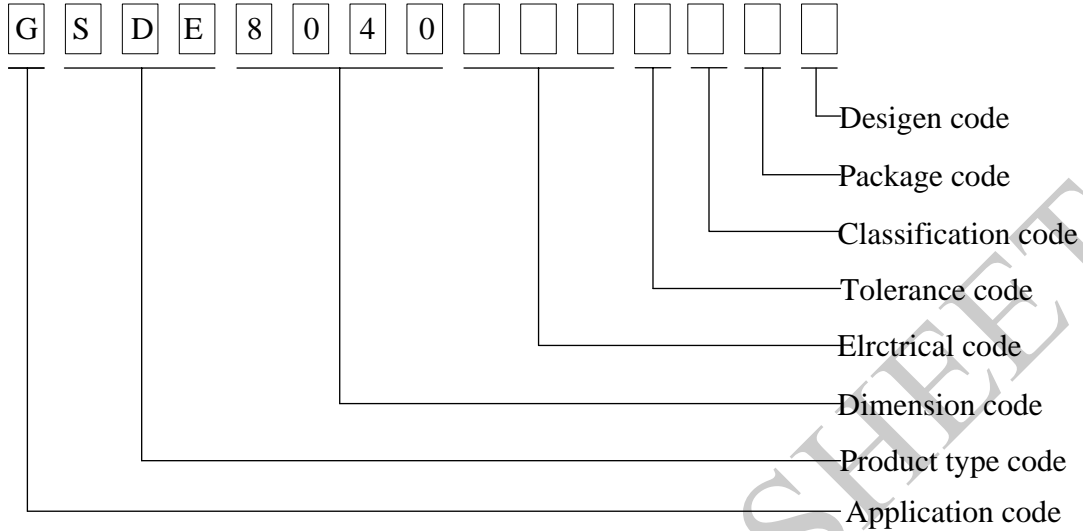
Style	A	B	C	D	G	N	T
13 - 16	330	21±0.8	13±0.4	16	16.4 ^{+1.5} ₋₀	100	20.4

SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Semi-shielded SMD Power Inductor	ABC'S DWG NO.	GSDE8040□□□□2□H		
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VI . Drawing number expression :



Appendix code 1 : Product Classification

Appendix code 2 : Package Information

Code	Inner package	Cover tape	Carrier tape	Bag	Package Q'TY	Remark
A	T/R	Antistatic	Antistatic	Antistatic	1,000 pcs	

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