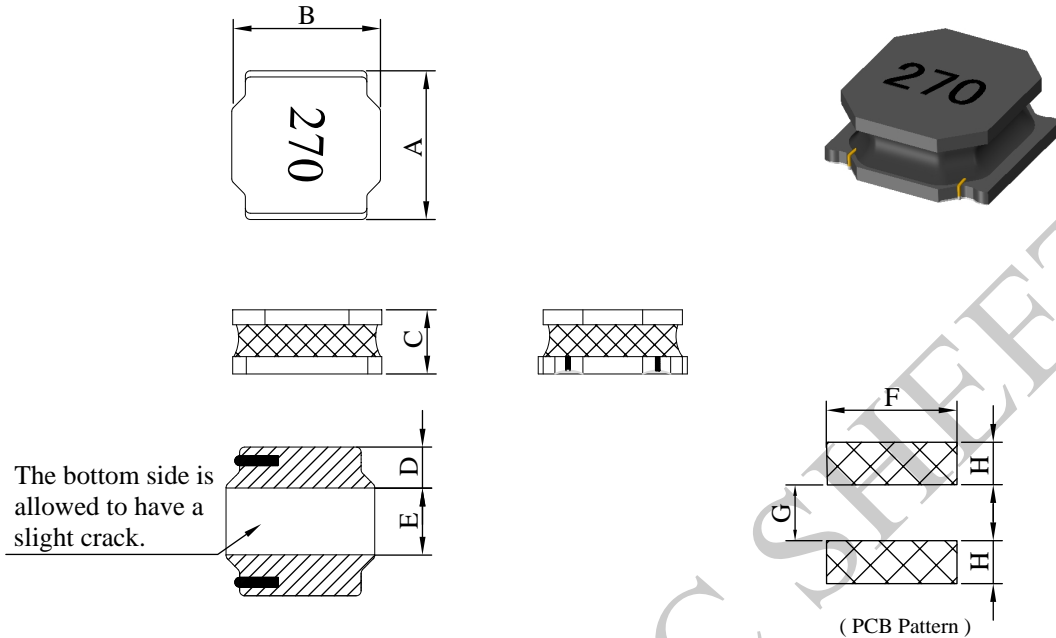


SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Semi-shielded SMD Power Inductor	ABC'S DWG NO.		GSDE5020□□□□2□H		
		REV.	20210805	PAGE	1	

I . Configuration and dimensions :



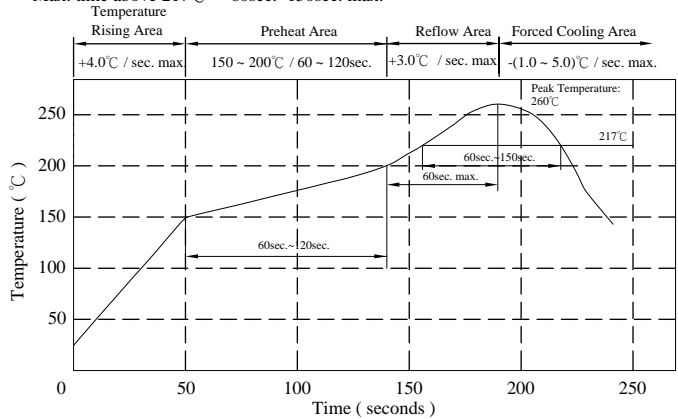
Unit : mm

A	B	C	D	E	F	G	H
5.00 ±0.2	5.00 ±0.2	2.20 max.	1.30 ±0.3	2.40 ±0.3	4.20 ref.	2.30 ref.	1.40 ref.

II . Description :

- a . Ferrite drum core construction.
- b . Enamelled copper wire : H/F class
- c . Product weight : 0.20 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.		GSDE5020□□□□2□H	
		REV.	20210805	PAGE	2

IV . Electrical characteristics :

DWG. No.	Inductance (μH)	Test Freq. (Hz)	RDC (mΩ)±30%	Isat (A) max.	Irms (A) typ
GSDE5020R22N2AH	0.22 ±30%	100k/0.25V	11.00	6.00	5.00
GSDE5020R24N2AH	0.24 ±30%	100k/0.25V	11.00	6.00	5.00
GSDE5020R33N2AH	0.33 ±30%	100k/0.25V	15.00	7.50	3.95
GSDE5020R47N2AH	0.47 ±30%	100k/0.25V	15.00	4.85	3.95
GSDE50201R0N2AH	1.00 ±30%	100k/0.25V	20.00	4.33	3.70
GSDE50201R2N2AH	1.20 ±30%	100k/0.25V	25.00	4.20	3.50
GSDE50201R5N2AH	1.50 ±30%	100k/0.25V	26.00	4.10	3.20
GSDE50201R8N2AH	1.80 ±30%	100k/0.25V	30.00	4.00	3.00
GSDE50202R2N2AH	2.20 ±30%	100k/0.25V	38.00	3.85	2.90
GSDE50202R7N2AH	2.70 ±30%	100k/0.25V	45.00	3.50	2.40
GSDE50203R3N2AH	3.30 ±30%	100k/0.25V	46.00	3.25	2.40
GSDE50203R6N2AH	3.60 ±30%	100k/0.25V	48.00	2.90	2.30
GSDE50203R9N2AH	3.90 ±30%	100k/0.25V	50.00	2.90	2.15
GSDE50204R7M2AH	4.70 ±20%	100k/0.25V	65.00	2.40	2.05
GSDE50205R6M2AH	5.60 ±20%	100k/0.25V	72.00	2.30	1.85
GSDE50206R8M2AH	6.80 ±20%	100k/0.25V	92.00	2.10	1.70
GSDE50208R2M2AH	8.20 ±20%	100k/0.25V	100.00	1.90	1.60
GSDE5020100M2AH	10.00 ±20%	100k/0.25V	125.00	1.80	1.50
GSDE5020150M2AH	15.00 ±20%	100k/0.25V	180.00	1.44	1.25
GSDE5020220M2AH	22.00 ±20%	100k/0.25V	250.00	1.18	1.05
GSDE5020270M2AH	27.00 ±20%	100k/0.25V	300.00	1.10	1.00
GSDE5020330M2AH	33.00 ±20%	100k/0.25V	370.00	0.97	0.83
GSDE5020470M2AH	47.00 ±20%	100k/0.25V	560.00	0.81	0.70
GSDE5020680M2AH	68.00 ±20%	100k/0.25V	850.00	0.70	0.53
GSDE5020820M2AH	82.00 ±20%	100k/0.25V	950.00	0.65	0.50
GSDE5020101M2AH	100.00 ±20%	100k/0.25V	1100.00	0.57	0.43
GSDE5020151M2AH	150.00 ±20%	100k/0.25V	1500.00	0.41	0.40
GSDE5020221M2AH	220.00 ±20%	100k/0.25V	2230.00	0.35	0.30

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

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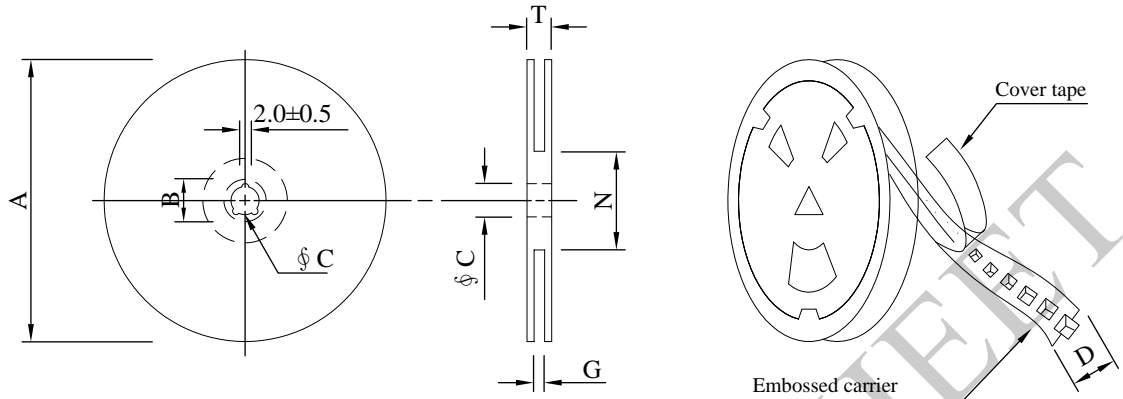
SPECIFICATION FOR APPROVAL

REF :

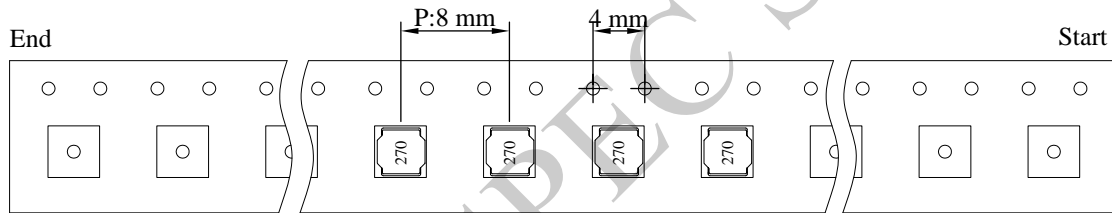
PROD. NAME	Semi-shielded SMD Power Inductor	ABC'S DWG NO.	GSDE5020□□□□2□H		
		REV.	20210805	PAGE	3

VI . Packaging information :

(1) Configuration



※Carrier tape width : D



(2) Dimensions

Unit:mm

Style	A	B	C	D	G	N	T
13 - 12	330	21±0.8	13±0.4	12	12.4 ^{+0.5} ₋₀	100	16.4

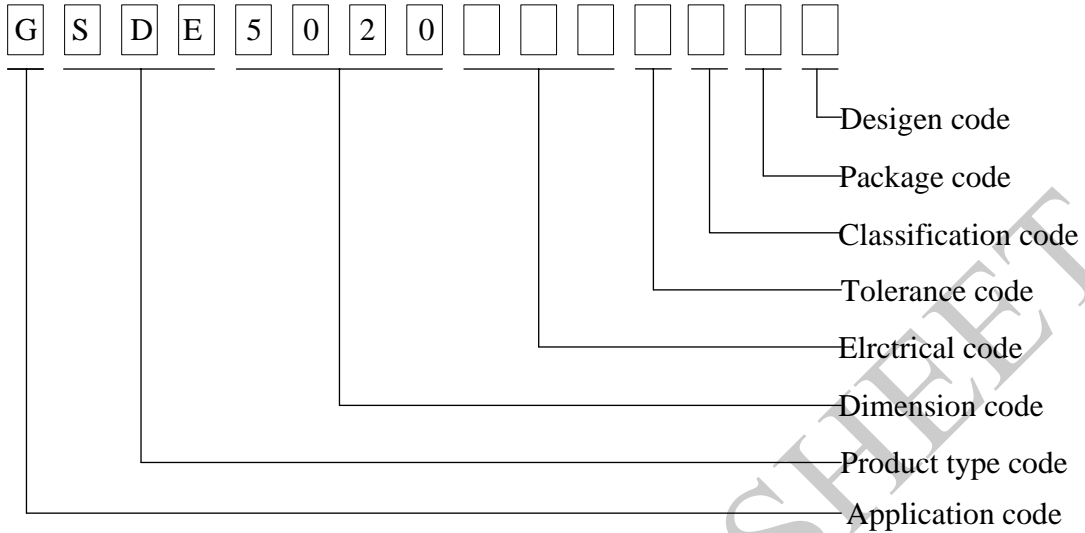
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SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Semi-shielded SMD Power Inductor	ABC'S DWG NO.		GSDE5020□□□□2□H	
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VII . Drawing number expression :



Package Information:

Code	Inner package	Inner package Q'TY	Remark
A	T/R (Reel package)	3000 PCS	

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