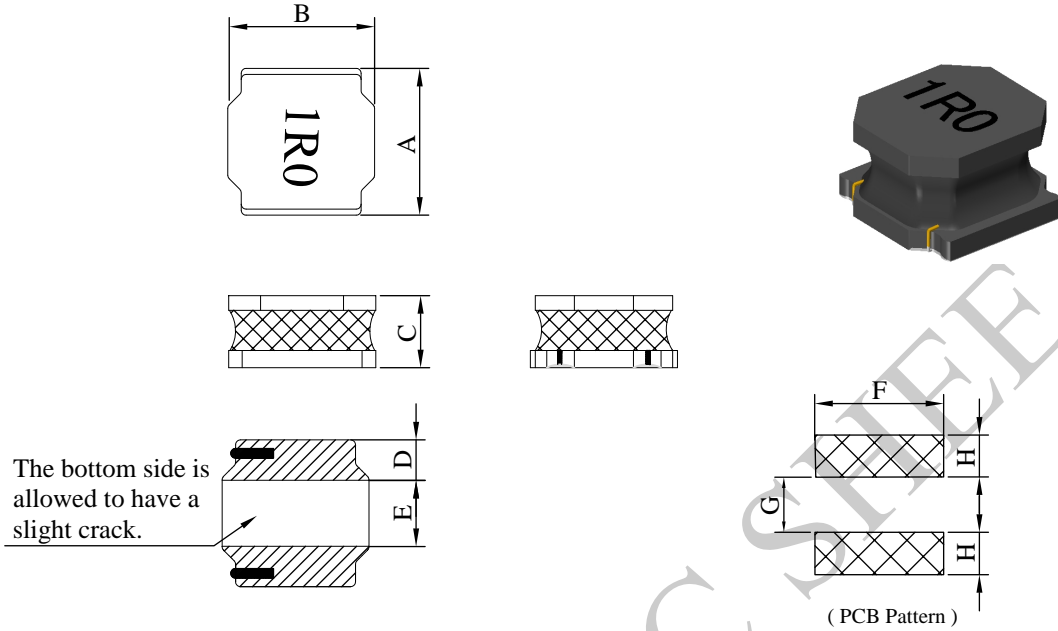


SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Semi-shielded SMD Power Inductor	ABC'S DWG NO.		GSDE5040□□□□2□H		
		REV.	20210917	PAGE	1	

I . Configuration and dimensions :



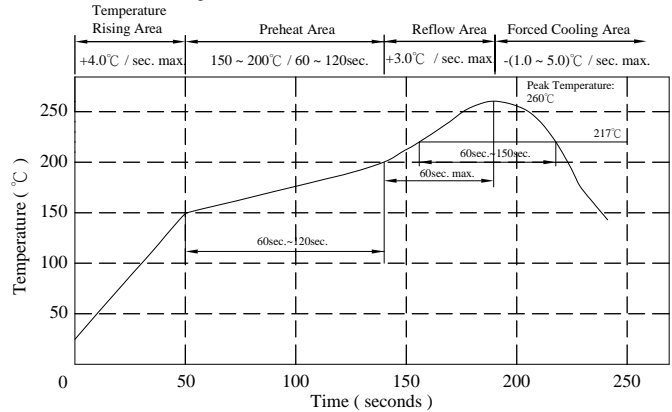
Unit : mm

A	B	C	D	E	F	G	H
5.00 ±0.2	5.00 ±0.2	4.00 max.	1.30 ±0.2	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 : 0.29 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.

AR-001C

SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Semi-shielded SMD Power Inductor	ABC'S DWG NO.		GSDE5040□□□□2□H	
		REV.	20210917	PAGE	2

IV . Electrical characteristics :

DWG. No.	Inductance (μH)	Test Freq. (Hz)	RDC (mΩ)±30%	Isat (A) max.	Irms (A) typ
GSDE50401R0N2AH	1.00 ±30%	100k/0.25V	13.00	7.35	4.90
GSDE50401R5N2AH	1.50 ±30%	100k/0.25V	15.00	6.30	4.30
GSDE50401R8N2AH	1.80 ±30%	100k/0.25V	18.00	6.10	3.90
GSDE50402R2N2AH	2.20 ±30%	100k/0.25V	19.00	4.90	3.80
GSDE50402R7N2AH	2.70 ±30%	100k/0.25V	22.00	4.30	3.60
GSDE50403R3N2AH	3.30 ±30%	100k/0.25V	24.00	3.95	3.40
GSDE50403R9N2AH	3.90 ±30%	100k/0.25V	27.00	3.55	3.20
GSDE50404R7M2AH	4.70 ±20%	100k/0.25V	30.00	3.50	3.00
GSDE50405R6M2AH	5.60 ±20%	100k/0.25V	33.00	3.20	2.80
GSDE50406R8M2AH	6.80 ±20%	100k/0.25V	43.00	2.90	2.50
GSDE50408R2M2AH	8.20 ±20%	100k/0.25V	55.00	3.00	2.30
GSDE5040100M2AH	10.00 ±20%	100k/0.25V	64.00	2.35	2.10
GSDE5040150M2AH	15.00 ±20%	100k/0.25V	86.00	2.00	2.00
GSDE5040220M2AH	22.00 ±20%	100k/0.25V	129.00	1.60	1.50
GSDE5040270M2AH	27.00 ±20%	100k/0.25V	165.00	1.50	1.30
GSDE5040330M2AH	33.00 ±20%	100k/0.25V	188.00	1.30	1.20
GSDE5040390M2AH	39.00 ±20%	100k/0.25V	225.00	1.20	1.10
GSDE5040470M2AH	47.00 ±20%	100k/0.25V	270.00	1.10	1.00
GSDE5040560M2AH	56.00 ±20%	100k/0.25V	375.00	1.00	0.90
GSDE5040680M2AH	68.00 ±20%	100k/0.25V	400.00	0.90	0.80
GSDE5040101M2AH	100.00 ±20%	100k/0.25V	560.00	0.75	0.70
GSDE5040221M2AH	220.00 ±20%	100k/0.25V	1200.00	0.45	0.40
GSDE5040471M2AH	470.00 ±20%	100k/0.25V	2800.00	0.40	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.

AR-001C

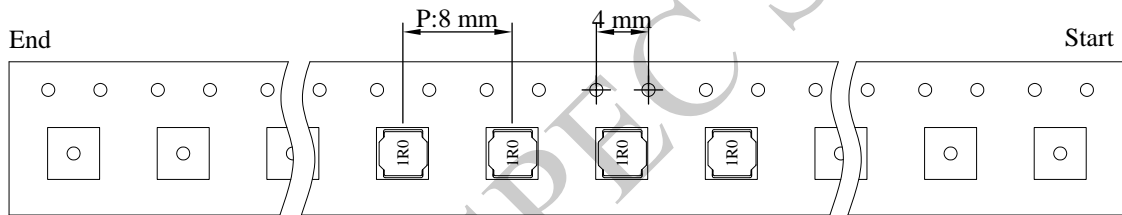
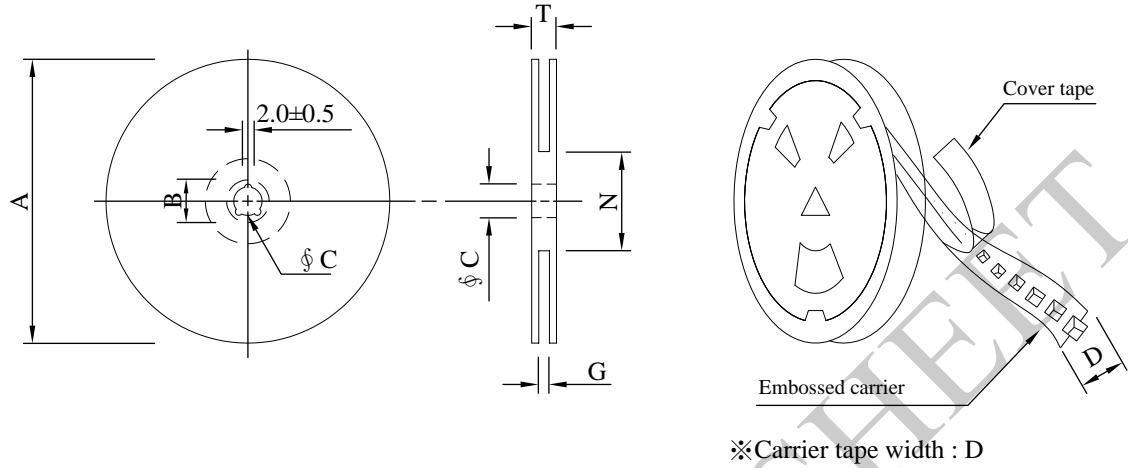
SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Semi-shielded SMD Power Inductor	ABC'S DWG NO.	GSDE5040□□□□2□H		
		REV.	20210917	PAGE	3

VI . Packaging information :

(1) Configuration



(2) Dimensions

Unit:mm

Style	A	B	C	D	G	N	T
13 - 12	330	21±0.8	13±0.4	12	12.4 ^{+1.5} ₋₀	100	16.4

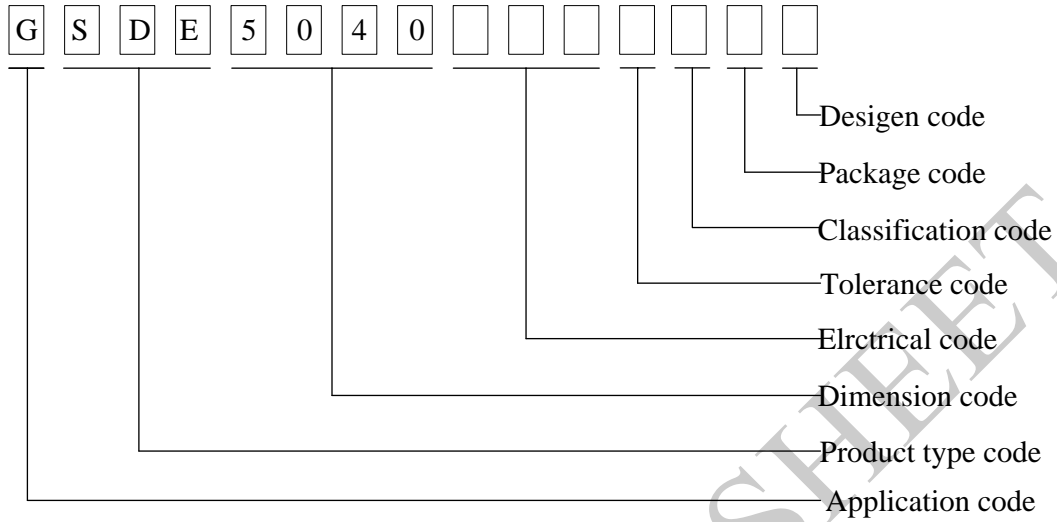
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SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Semi-shielded SMD Power Inductor	ABC'S DWG NO.		GSDE5040□□□□2□H	
		REV.	20210917	PAGE	4

VII . Drawing number expression :



Package Information:

Code	Inner package	Inner package Q'TY	Remark
A	T/R (Reel package)	1500 PCS	

AR-001C