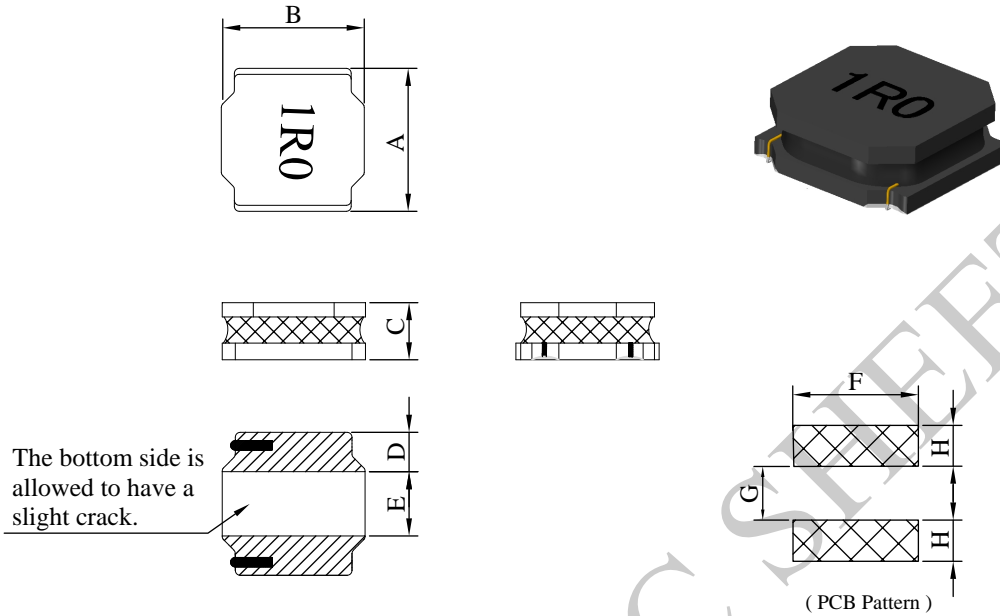


# SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Semi-shielded SMD Power Inductor	ABC'S DWG NO.		GSDE3015□□□□2□H		
		REV.	20210917	PAGE	1	

## I . Configuration and dimensions :



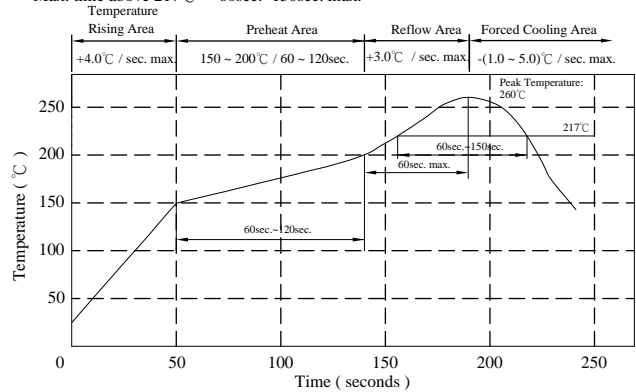
Unit : mm

A	B	C	D	E	F	G	H
3.00 ±0.2	3.00 ±0.2	1.50 max.	0.80 ±0.3	1.40 ±0.3	2.70 ref.	1.50 ref.	0.80 ref.

## II . Description :

- a . Ferrite drum core construction.
- b . Enamelled copper wire : H/F class
- c . Product weight : 0.04 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.	GSDE3015□□□□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
GSDE3015R24N2AH	0.24 ±30%	1M/0.25V	14.00	4.80	3.50
GSDE3015R30N2AH	0.30 ±30%	1M/0.25V	15.00	4.60	3.50
GSDE3015R47N2AH	0.47 ±30%	100k/0.25V	20.00	4.00	3.50
GSDE3015R56N2AH	0.56 ±30%	100k/0.25V	20.00	3.30	2.80
GSDE30151R0N2AH	1.00 ±30%	100k/0.25V	30.00	2.32	2.10
GSDE30151R5N2AH	1.50 ±30%	100k/0.25V	50.00	2.00	1.70
GSDE30151R8N2AH	1.80 ±30%	100k/0.25V	55.00	1.75	1.65
GSDE30152R2M2AH	2.20 ±20%	100k/0.25V	60.00	1.60	1.60
GSDE30152R7N2AH	2.70 ±30%	100k/0.25V	70.00	1.52	1.50
GSDE30153R3M2AH	3.30 ±20%	100k/0.25V	80.00	1.32	1.36
GSDE30153R9M2AH	3.90 ±20%	100k/0.25V	108.00	1.20	1.10
GSDE30154R7M2AH	4.70 ±20%	100k/0.25V	125.00	1.10	1.09
GSDE30155R6M2AH	5.60 ±20%	100k/0.25V	170.00	1.05	1.00
GSDE30156R8M2AH	6.80 ±20%	100k/0.25V	200.00	0.85	0.85
GSDE30158R2M2AH	8.20 ±20%	100k/0.25V	230.00	0.80	0.75
GSDE3015100M2AH	10.00 ±20%	100k/0.25V	250.00	0.72	0.77
GSDE3015120M2AH	12.00 ±20%	100k/0.25V	288.00	0.70	0.68
GSDE3015150M2AH	15.00 ±20%	100k/0.25V	350.00	0.66	0.65
GSDE3015180M2AH	18.00 ±20%	100k/0.25V	430.00	0.56	0.59
GSDE3015220M2AH	22.00 ±20%	100k/0.25V	460.00	0.52	0.57
GSDE3015270M2AH	27.00 ±20%	100k/0.25V	630.00	0.48	0.46
GSDE3015330M2AH	33.00 ±20%	100k/0.25V	780.00	0.44	0.42
GSDE3015470M2AH	47.00 ±20%	100k/0.25V	1200.00	0.35	0.32

- 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

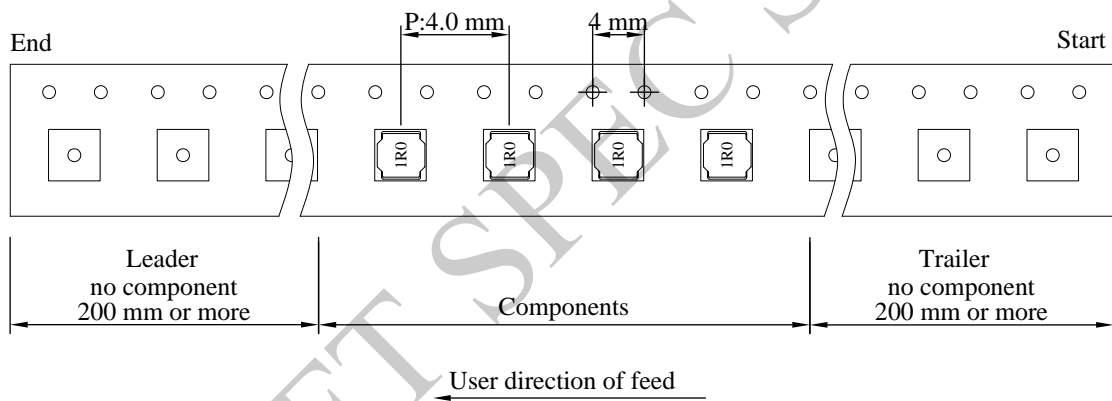
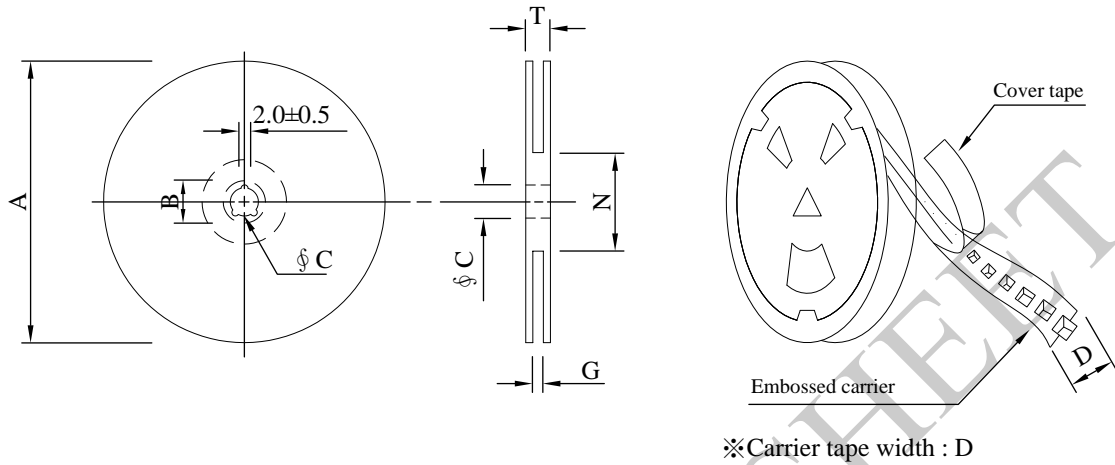
# SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Semi-shielded SMD Power Inductor	ABC'S DWG NO.		GSDE3015□□□□2□H	
		REV.	20210917	PAGE	3

V . Packaging information :

( 1 ) Configuration



( 2 ) Dimensions

Unit:mm

Style	A	B	C	D	G	N	T
07 - 08	178	20.7±0.8	13±0.4	8	9	60	10.8

AR-001A

