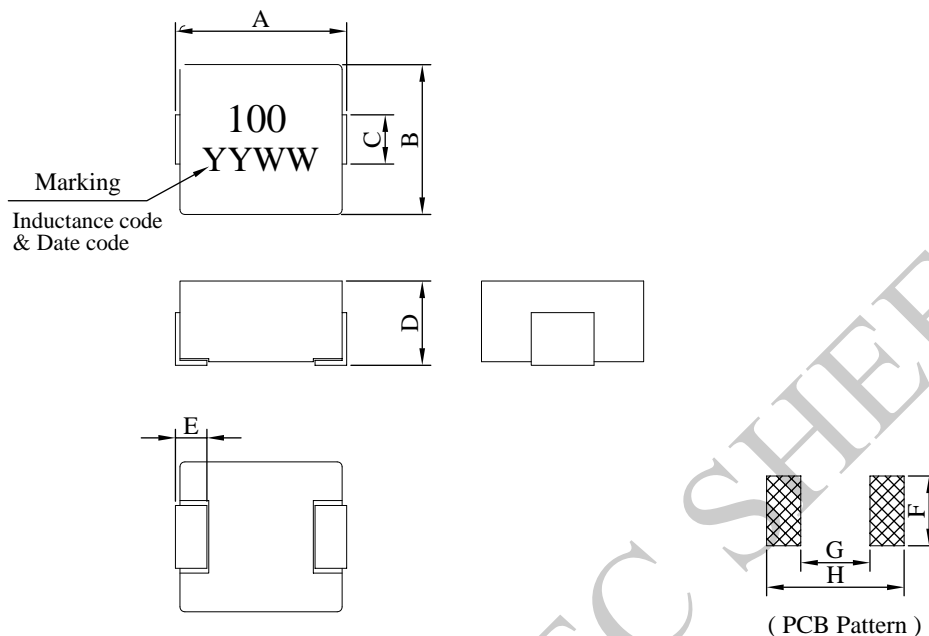


SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.		GSSM1050□□□□2□U	
		REV.	20200928	PAGE	1

I . Configuration and dimensions :



Unit : mm

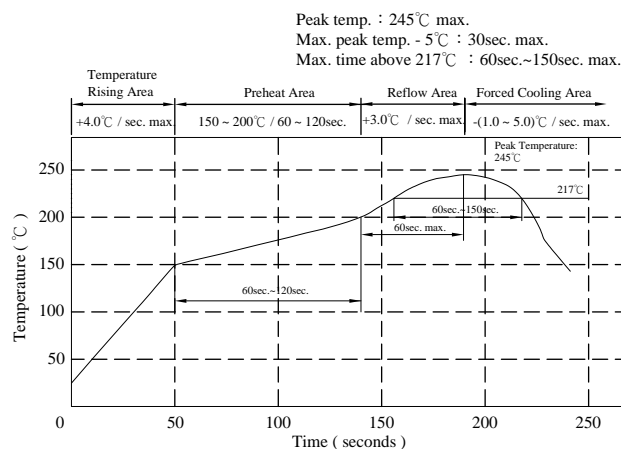
A	B	C	D	E	F	G	H
11.00 ±0.5	10.00 ±0.3	3.00 ±0.3	4.80 ±0.2	2.30 ±0.3	3.50 ref.	5.40 ref.	13.60 ref.

II . Description :

- a . Powder molding construction
- b . Magnetically shielded
- c . Wire : Polyester wire or equivalent
- d . Products comply with RoHS' requirements
- e . Halogen free

III . General specification :

- a . Storage temp. : -40°C ----+125°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	Shielded Smd Power Inductor	ABC'S DWG NO.	GSSM1050□□□□2□U		
		REV.	20200928	PAGE	2

IV . Electrical characteristics :

DWG No.	Inductance (μ H)	Isat (A) typ.	Irms (A) typ.	RDC (m Ω)	
				max.	typ.
GSSM1050R22M2AU	0.22 \pm 20%	70.00	45.00	0.50	0.45
GSSM1050R30M2AU	0.30 \pm 20%	65.00	38.00	0.61	0.57
GSSM1050R47M2AU	0.47 \pm 20%	50.00	28.00	1.38	1.15
GSSM1050R50M2AU	0.50 \pm 20%	48.00	27.00	1.50	1.30
GSSM1050R56M2AU	0.56 \pm 20%	43.00	26.50	1.50	1.30
GSSM1050R82M2AU	0.82 \pm 20%	36.00	25.00	2.40	2.00
GSSM1050R90M2AU	0.90 \pm 20%	32.00	25.00	3.00	2.20
GSSM10501R0M2AU	1.00 \pm 20%	30.00	22.00	3.50	2.80
GSSM10501R2M2AU	1.20 \pm 20%	28.00	20.00	3.50	2.90
GSSM10501R3M2AU	1.30 \pm 20%	28.00	20.00	3.70	3.20
GSSM10501R5M2AU	1.50 \pm 20%	27.00	19.00	4.10	3.50
GSSM10501R8M2AU	1.80 \pm 20%	25.50	17.50	4.70	3.70
GSSM10502R2M2AU	2.20 \pm 20%	24.00	16.00	6.00	5.40
GSSM10503R3M2AU	3.30 \pm 20%	22.00	14.00	10.40	9.00
GSSM10504R7M2AU	4.70 \pm 20%	19.00	13.00	12.50	10.00
GSSM10505R0M2AU	5.00 \pm 20%	18.00	12.00	15.00	12.20
GSSM10505R6M2AU	5.60 \pm 20%	16.00	10.00	16.80	14.00
GSSM10506R8M2AU	6.80 \pm 20%	15.00	9.50	21.00	16.50
GSSM10508R2M2AU	8.20 \pm 20%	14.50	9.00	24.00	18.50
GSSM1050100M2AU	10.00 \pm 20%	13.50	8.00	29.00	25.00
GSSM1050120M2AU	12.00 \pm 20%	10.00	6.00	35.00	30.00
GSSM1050150M2AU	15.00 \pm 20%	9.50	5.50	45.00	37.00

AR-001C

SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.	GSSM1050□□□□2□U		
		REV.	20200928	PAGE	3

IV . Electrical characteristics :

DWG No.	Inductance (μH)	Isat (A) typ.	Irms (A) typ.	RDC (mΩ)	
				max.	typ.
GSSM1050220M2AU	22.00 ± 20%	9.00	5.00	60.00	50.00
GSSM1050240M2AU	24.00 ± 20%	7.70	4.60	70.80	59.00
GSSM1050330M2AU	33.00 ± 20%	7.50	4.30	92.00	80.00
GSSM1050470M2AU	47.00 ± 20%	6.50	3.80	145.00	125.00
GSSM1050680M2AU	68.00 ± 20%	4.00	2.50	205.00	176.00
GSSM1050101M2AU	100.00 ± 20%	3.00	2.00	380.00	315.00

- 1). Electrical specifications at 25°C
- 2). Measured frequency of inductance is 100 kHz / 1V
- 3). Isat base on $\Delta L/L0A = 30\%$ typ. (Approximately transient current)
- 4). Irms base on Temp. rise 40°C typ.

DRAFT SPEC SHEET

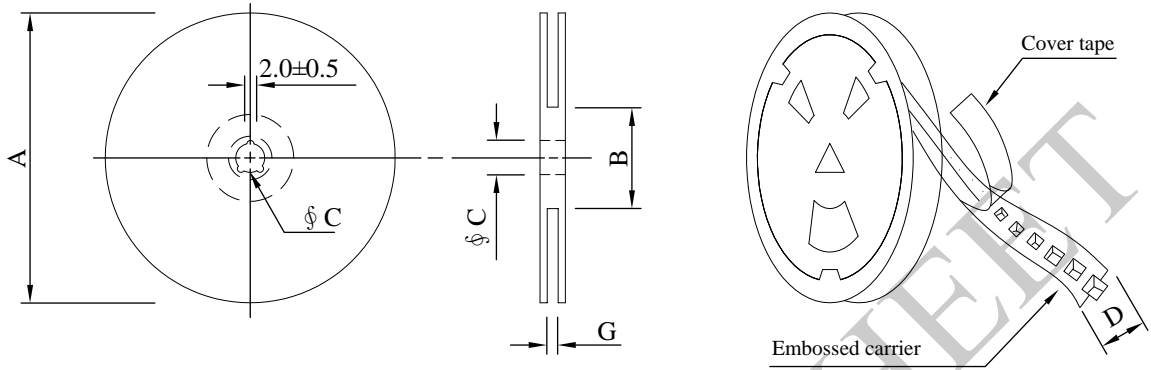
SPECIFICATION FOR APPROVAL

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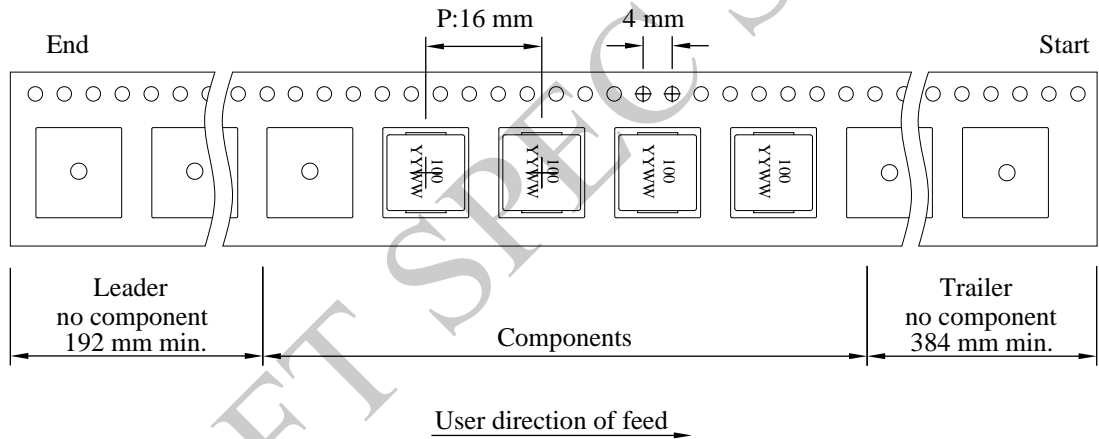
PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.		GSSM1050□□□□2□U	
		REV.	20200928	PAGE	4

V . Packaging information :

(1) Configuration



※Carrier tape width : D



(2) Dimensions

Unit:mm

Style	A	B	C	D	G
13 - 24	330	100 ±0.2	13 ^{+0.5} / _{-0.2}	24	24.4 ⁺² / ₋₀

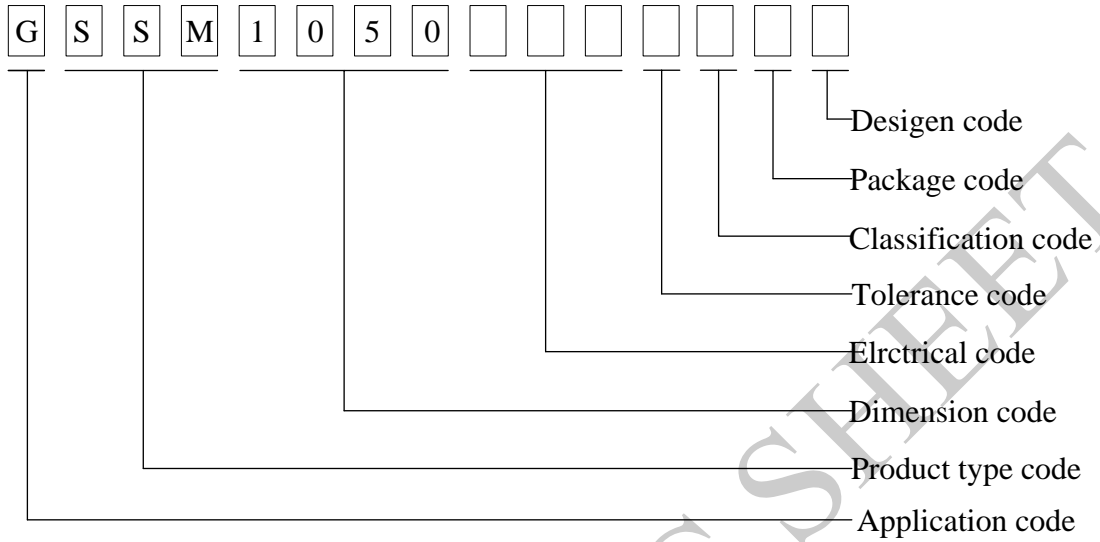
AR-001A

SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.	GSSM1050□□□□2□U		
		REV.	20200928	PAGE	5

VI . Drawing number expression :



Package Information

Code	Inner package	Inner package Q'TY	Remark
A	T / R (Reel package)	500 PCS	

AR-001C