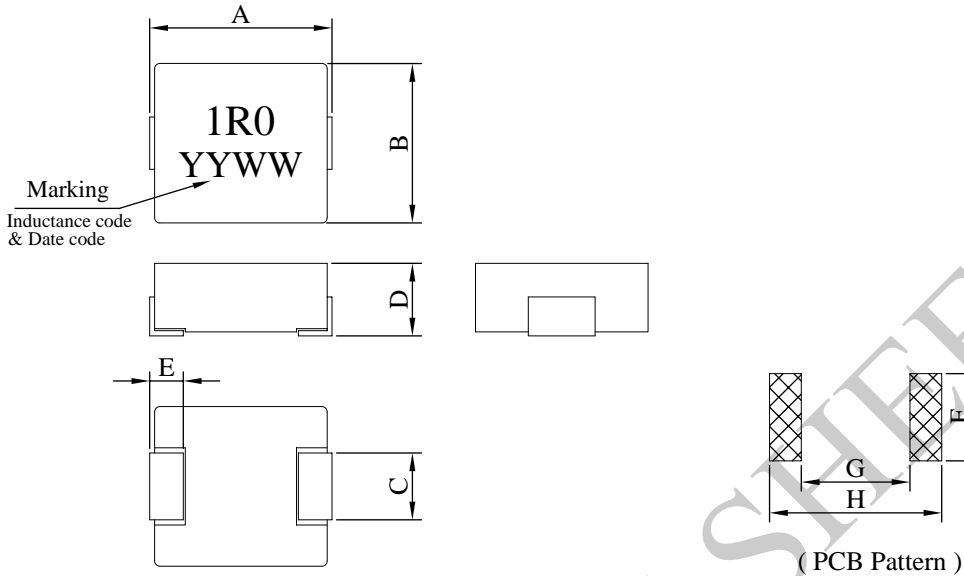


SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.		GSSM0530□□□□3□U	
		REV.	20200806	PAGE	1

I . Configuration and dimensions :



Unit : mm

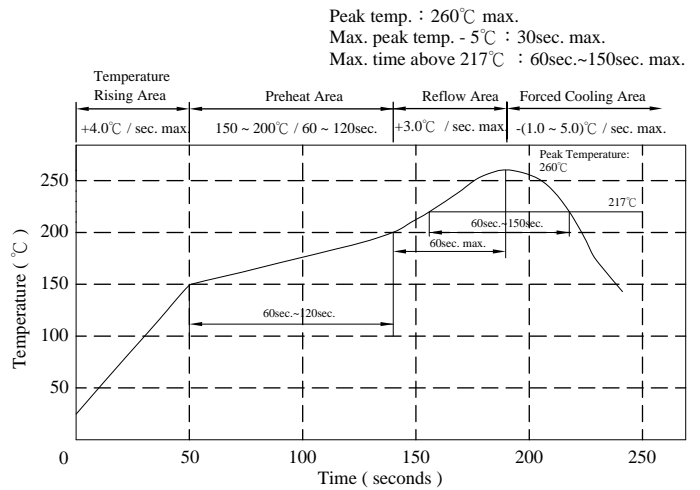
A	B	C	D	E	F	G	H
5.70 ±0.30	5.20 ±0.20	2.50 ±0.3	2.80 ±0.2	1.10 ±0.3	2.80 ref.	2.50 ref.	6.50 ref.

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 secs.



AR-001C

SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.	GSSM0530□□□□3□U		
		REV.	20200806	PAGE	2

IV . Electrical characteristics :

DWG No.	Inductance (μH)	Isat (A) typ.	Irms (A) typ.	RDC (mΩ)	
				max.	typ.
GSSM0530R10Y3AU	0.10 ± 30%	40.00	24.00	2.6	2.2
GSSM0530R15Y3AU	0.15 ± 30%	37.00	22.00	3.0	2.5
GSSM0530R20Y3AU	0.20 ± 30%	34.00	20.00	3.2	2.7
GSSM0530R22M3AU	0.22 ± 20%	32.00	19.00	3.8	3.2
GSSM0530R33M3AU	0.33 ± 20%	20.00	15.00	5.0	4.3
GSSM0530R47M3AU	0.47 ± 20%	18.00	13.00	7.1	6.3
GSSM0530R56M3AU	0.56 ± 20%	17.00	12.00	8.6	7.8
GSSM0530R68M3AU	0.68 ± 20%	15.50	11.00	9.0	8.0
GSSM0530R82M3AU	0.82 ± 20%	14.00	10.00	10.0	8.8
GSSM05301R0M3AU	1.00 ± 20%	13.00	9.00	12.7	11.0
GSSM05301R2M3AU	1.20 ± 20%	12.00	8.50	15.0	13.0
GSSM05301R5M3AU	1.50 ± 20%	11.50	8.00	16.6	14.4
GSSM05302R2M3AU	2.20 ± 20%	11.00	7.00	29.2	26.0
GSSM05303R3M3AU	3.30 ± 20%	9.00	6.00	38.0	33.0
GSSM05304R7M3AU	4.70 ± 20%	8.00	5.50	53.0	48.0
GSSM05305R6M3AU	5.60 ± 20%	7.30	4.70	62.0	54.0
GSSM05306R8M3AU	6.80 ± 20%	6.00	4.20	76.2	68.0
GSSM0530100M3AU	10.00 ± 20%	4.00	3.50	120.0	104.0
GSSM0530150M3AU	15.00 ± 20%	3.20	2.70	190.0	165.0
GSSM0530220M3AU	22.00 ± 20%	2.70	2.20	250.0	217.0

- 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.

AR-001C

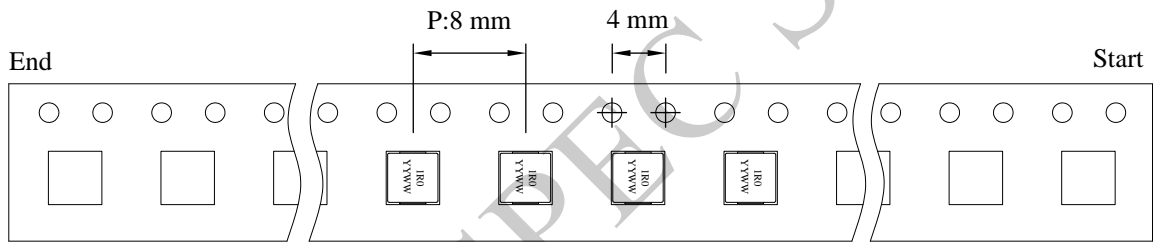
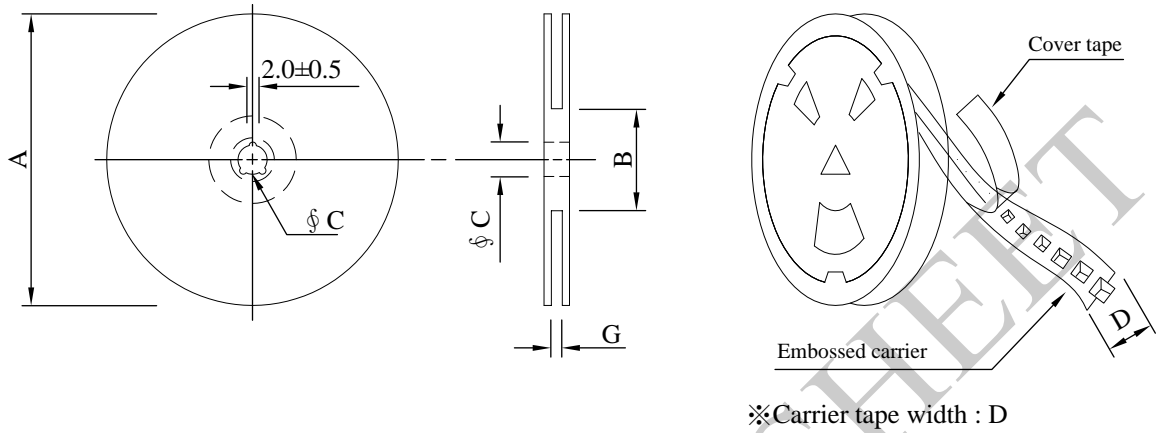
SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.	GSSM0530□□□□3□U		
		REV.	20200806	PAGE	3

V . Packaging information :

(1) Configuration



(2) Dimensions

Unit:mm

Style	A	B	C	D	G
13 - 12	330	100 ±0.2	13 ^{+0.5} _{-0.2}	12	12.4 ⁺² ₋₀

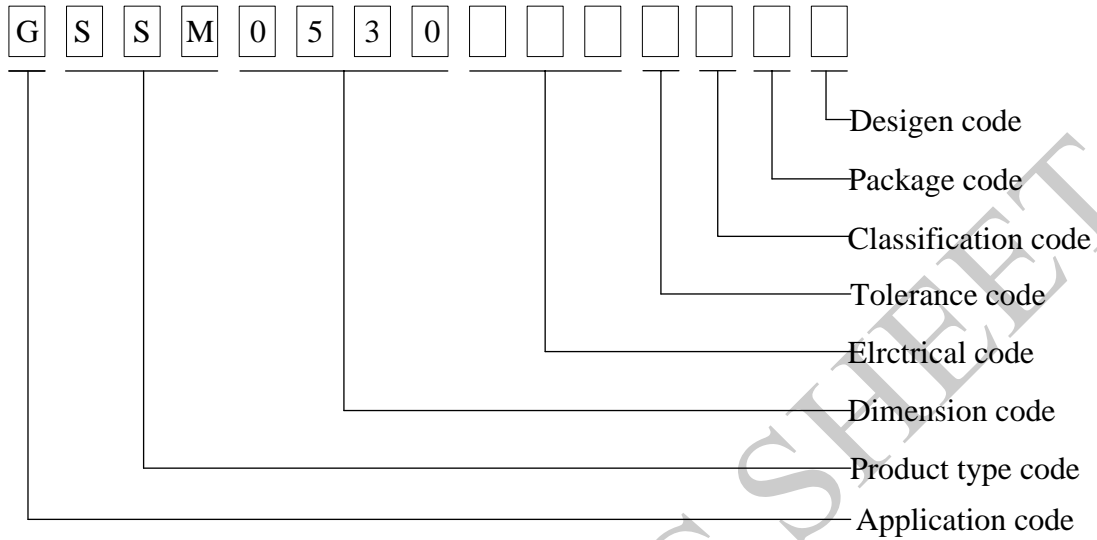
AR-001A

SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.		GSSM0530□□□□3□U		
		REV.	20200806	PAGE	4	

VI . Drawing number expression :



Package Information

Code	Inner package	Inner package Q'TY	Remark
A	T / R (Reel package)	2,000 PCS	

AR-001C