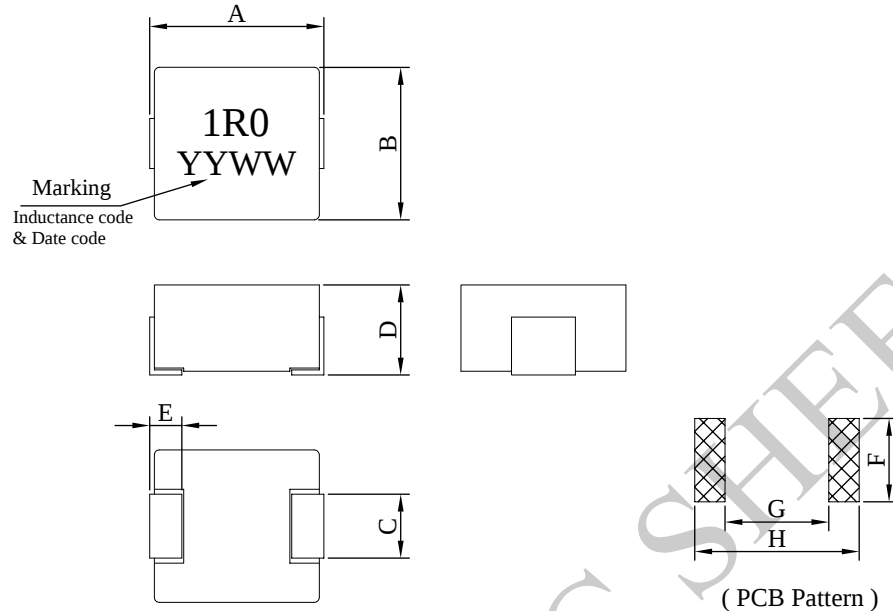


SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.		GSSM1265□□□□2□U		
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I . Configuration and dimensions :



Unit : mm

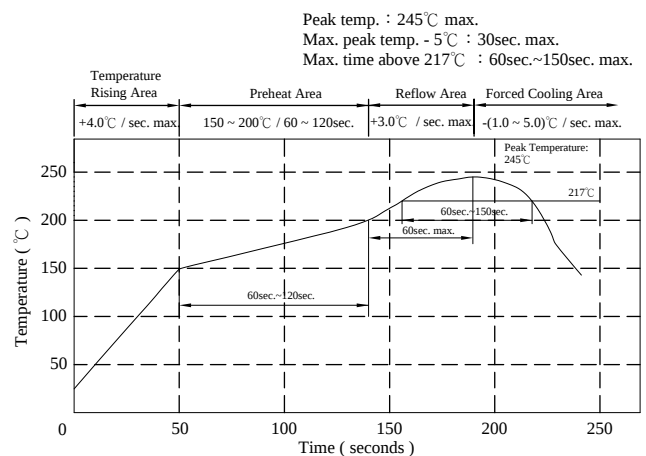
A	B	C	D	E	F	G	H
13.50 ±0.5	12.50 ±0.3	4.70 ±0.3	6.20 ±0.2	2.30 ±0.3	5.00 ref.	8.00 ref.	14.20 ref.

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℃ ----+125℃
- b . Operating temp. : -40℃ ----+125℃
(Temp. rise included)
- c . Resistance to solder heat : 260℃ .10 sec.



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SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.		GSSM1265□□□□2□U		
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IV . Electrical characteristics :

DWG No.	Inductance (μ H)	Isat (A) typ.	Irms (A) typ.	RDC (m Ω)	
				max.	typ.
GSSM1265R15M2AU	0.15 $\pm$ 30%	118.00	55.00	0.60	0.49
GSSM1265R22M2AU	0.22 $\pm$ 20%	112.00	53.00	0.60	0.47
GSSM1265R30M2AU	0.30 $\pm$ 20%	72.00	48.00	0.72	0.60
GSSM1265R33M2AU	0.33 $\pm$ 20%	68.00	46.00	0.80	0.65
GSSM1265R36M2AU	0.36 $\pm$ 20%	66.00	45.00	0.90	0.70
GSSM1265R40M2AU	0.40 $\pm$ 20%	64.00	44.00	1.00	0.70
GSSM1265R45M2AU	0.45 $\pm$ 20%	63.00	42.00	1.20	0.90
GSSM1265R47M2AU	0.47 $\pm$ 20%	63.00	41.00	1.20	0.90
GSSM1265R50M2AU	0.50 $\pm$ 20%	60.00	40.00	1.25	0.92
GSSM1265R56M2AU	0.56 $\pm$ 20%	58.00	37.00	1.20	1.05
GSSM1265R68M2AU	0.68 $\pm$ 20%	55.00	35.00	1.50	1.25
GSSM1265R82M2AU	0.82 $\pm$ 20%	50.00	33.00	1.90	1.50
GSSM12651R0M2AU	1.00 $\pm$ 20%	48.00	30.00	2.30	1.70
GSSM12651R5M2AU	1.50 $\pm$ 20%	45.00	27.00	3.00	2.50
GSSM12651R8M2AU	1.80 $\pm$ 20%	40.00	24.00	4.00	3.60
GSSM12652R2M2AU	2.20 $\pm$ 20%	37.00	22.00	4.20	3.80
GSSM12652R7M2AU	2.70 $\pm$ 20%	32.00	20.00	5.50	4.30
GSSM12653R3M2AU	3.30 $\pm$ 20%	30.00	18.00	6.80	5.70
GSSM12654R7M2AU	4.70 $\pm$ 20%	28.00	13.50	8.40	7.00
GSSM12655R6M2AU	5.60 $\pm$ 20%	23.00	12.50	10.00	8.50
GSSM12656R8M2AU	6.80 $\pm$ 20%	18.00	11.50	11.50	9.50
GSSM12657R0M2AU	7.00 $\pm$ 20%	17.70	11.20	12.30	10.00

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SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.		GSSM1265□□□□2□U		
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IV . Electrical characteristics :

DWG No.	Inductance (μ H)	Isat (A) typ.	Irms (A) typ.	RDC ($m\Omega$)	
				max.	typ.
GSSM12658R2M2AU	$8.20 \pm 20\%$	16.00	10.50	15.50	12.00
GSSM1265100M2AU	$10.00 \pm 20\%$	15.50	10.00	16.50	13.20
GSSM1265120M2AU	$12.00 \pm 20\%$	14.00	9.50	20.00	16.00
GSSM1265130M2AU	$13.00 \pm 20\%$	13.00	9.00	24.00	21.00
GSSM1265150M2AU	$15.00 \pm 20\%$	12.50	9.00	28.00	23.20
GSSM1265220M2AU	$22.00 \pm 20\%$	12.00	9.00	37.00	32.50
GSSM1265250M2AU	$25.00 \pm 20\%$	11.50	8.50	47.00	40.00
GSSM1265330M2AU	$33.00 \pm 20\%$	11.00	8.00	58.00	48.00
GSSM1265470M2AU	$47.00 \pm 20\%$	9.50	6.50	90.00	76.00
GSSM1265680M2AU	$68.00 \pm 20\%$	7.80	4.80	130.00	110.00
GSSM1265820M2AU	$82.00 \pm 20\%$	6.50	4.50	155.00	135.00
GSSM1265101M2AU	$100.00 \pm 20\%$	5.50	4.20	165.00	145.00

- 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.

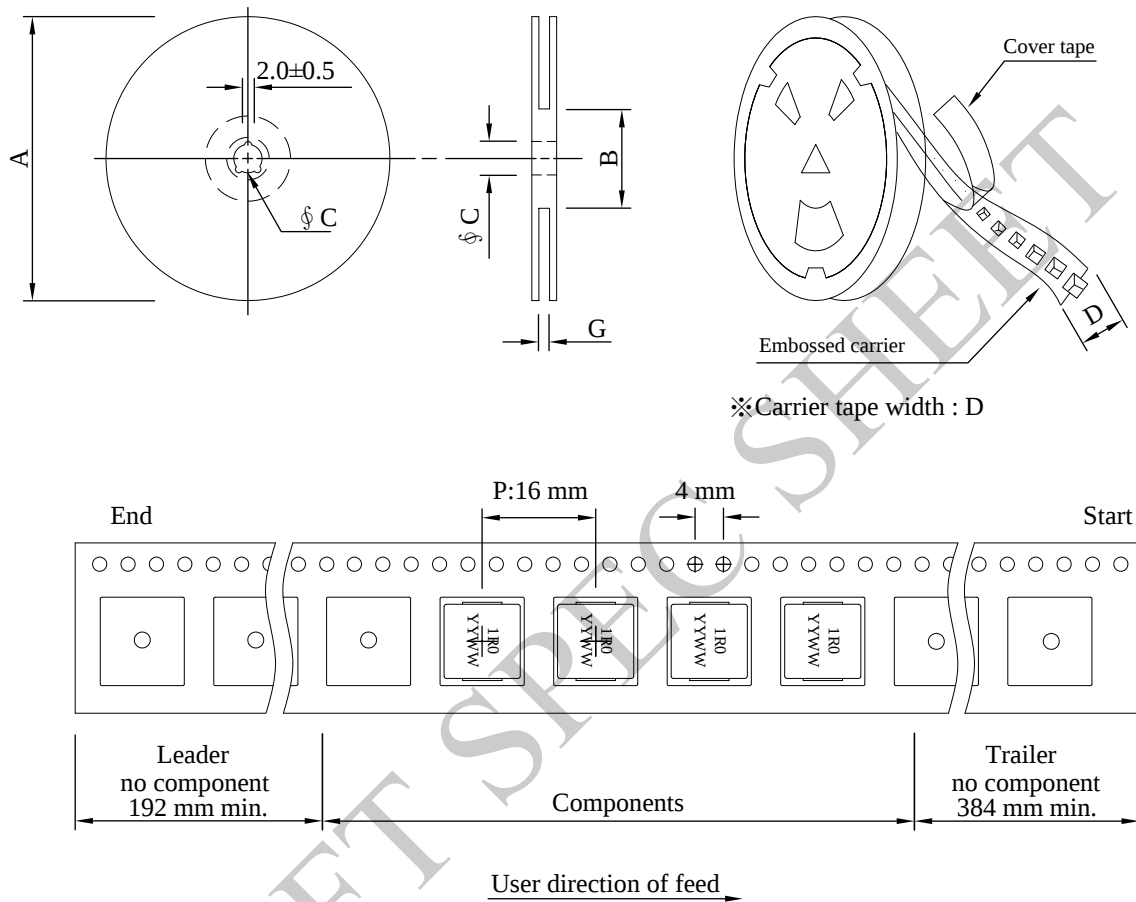
SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.		GSSM1265□□□□2□U		
		REV.	20200928	PAGE	4	

V . Packaging information :

(1) Configuration



(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

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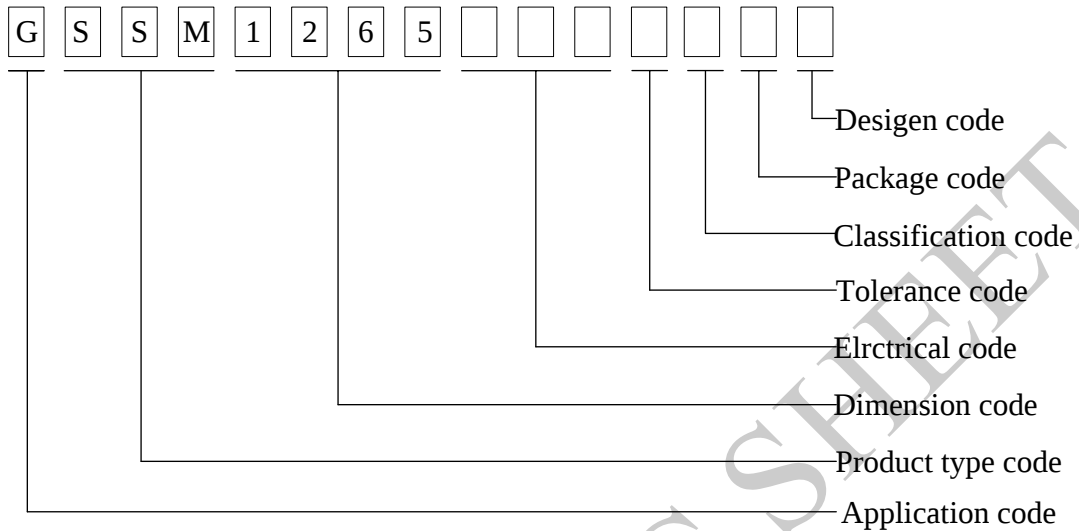
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SPECIFICATION FOR APPROVAL

REF :

PROD. NAME	Shielded Smd Power Inductor	ABC'S DWG NO.		GSSM1265□□□□2□U		
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VI . Drawing number expression :



Package Information

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

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