

SPECIFICATION FOR APPROVAL

CUSTOMER : BLUME

CUSTOMER P/N :

SME P/N : MRS5828-100N

EDITION : A.0

DATE : 2025-08-11

DRAWING		
MADE	CHECK	APPROVAL
Liu Hen	Li Shuo	Wang Bin

CUSTOMER APPROVE

SHANGHAI MEISONGBEI ELECTRONICS CO.,LTD

Add: No.3891 Jinxiu Road, Pudong New District, Shanghai, China

Tel:+86-21-62883517 Fax:+86-21-62883519

[Https://www.meisongbei.com](https://www.meisongbei.com)

E-mail:sales@meisongbei.com

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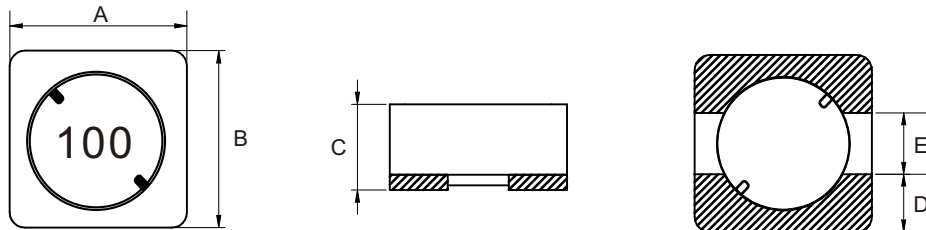
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Customer P/N:
SME P/N: MRS5828-100N
Date: 2025-08-11

Meisongbei 美颂倍



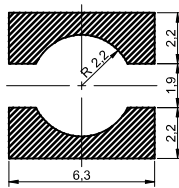
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A Dimensions: Unit(mm)

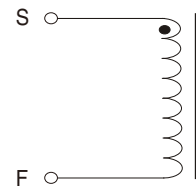


Part No.	A	B	C	D	E
MRS5828-100N	5.8±0.3	5.8±0.3	2.8±0.2	1.9 typ.	2.0 typ.

B Soldering: Unit(mm)



C Schematic:



D Electrical Specifications

Part Number	Inductance	DCR	Isat (L drop 35% max)	Irms(ΔT=30°C rise typ.)
	L(uH)	mΩ	A	A
MRS5828-100N	10±30%	70 max.	1.4 typ	1.5 max.

E Test equipment

1. L: CH-3302 LCR METER(100KHz,0.1V)
2. DCR: 502BC
3. I-sat: CH-3302 LCR METER + CH-1320 BIAS
4. Irms: DIGITAL THERMOMETER: DM6801A

F Material List:

1. Core: Ferrite DR
2. Coil: Enamelled copper wire H class

G Test Condition:

1. Humidity: 75%
2. Temperature: 25°C

H General Specifications:

1. Storage temp range: -40°C to +125°C
2. Operating temp range: -40°C to +125°C

Made	Liu Hen	Checked	Li shuo	Approved	Wang Bin
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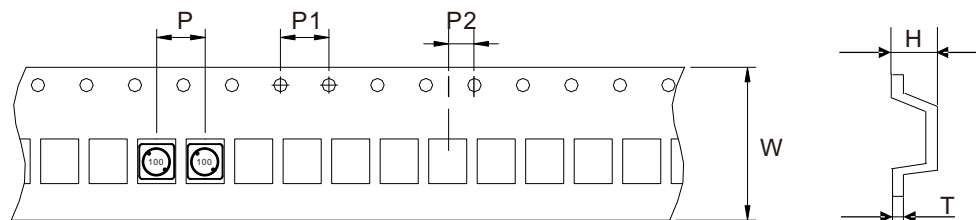
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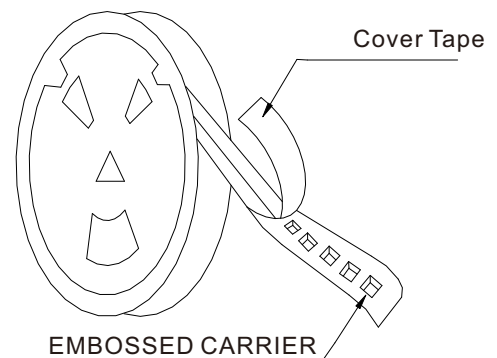
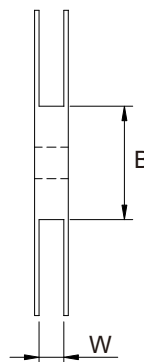
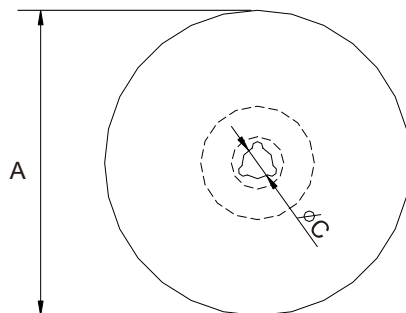
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I Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
MRS5828		16.0	12.0	4.00	2.00	3.00	0.40



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
MRS5828		400	178	21	13	18.0

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