

SPECIFICATION FOR APPROVAL

CUSTOMER : BLUME

CUSTOMER P/N :

SME P/N : MFS3818-4R7N

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

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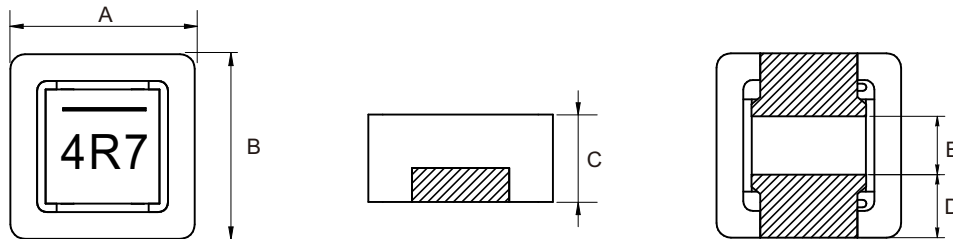
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Customer P/N:
SME P/N: MFS3818-4R7N
Date: 2025-08-11

Meisongbei 美颂倍



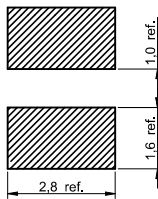
Page 1 / 2

A Dimensions: Unit(mm)

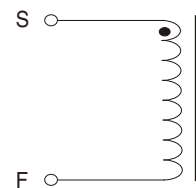


Part No.	A	B	C	D	E
MFS3818-4R7N	3.8±0.2	3.8±0.2	1.8±0.2	1.3±0.2	1.2±0.2

B Soldering: Unit(mm)



C Schematic:



D Electrical Specifications

Part Number	Inductance	DCR	Isat (L drop 35% max)	Irms(ΔT=40°C rise typ)
	L(uH)	mΩ	A	A
MFS3818-4R7N	4.7±30%	120 max.	0.95 typ	1.9 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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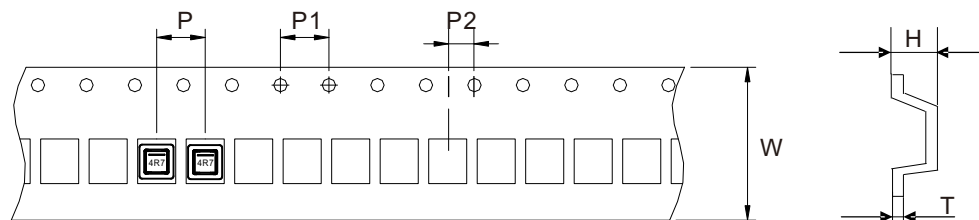
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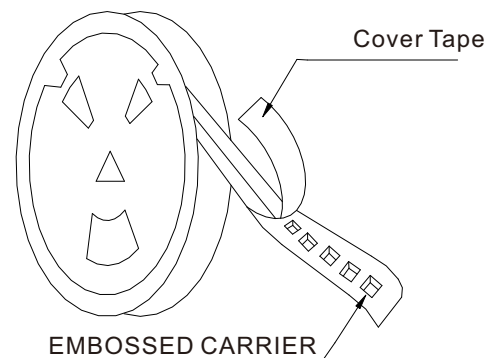
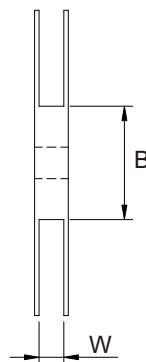
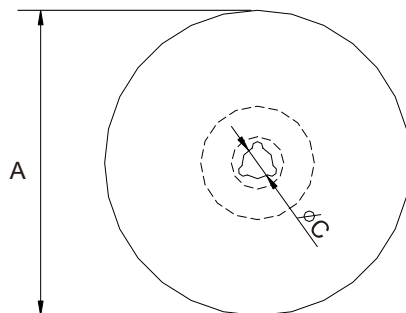
Page 2 / 2

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
MFS3818		12.0	8.0	4.00	2.00	2.00	0.40



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
MFS3818		1000	178	21	13	14.0

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