

SPECIFICATION FOR APPROVAL

CUSTOMER : BLUME

CUSTOMER P/N :

SME P/N : MS54-220K

EDITION : A.0

DATE : 2025-10-16

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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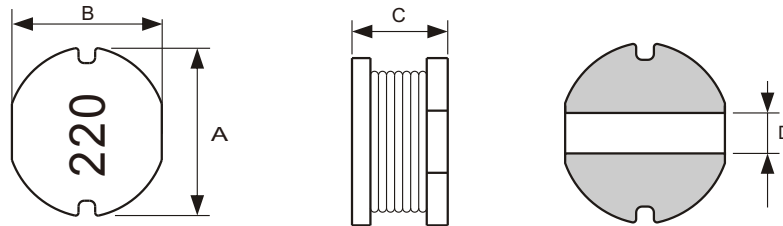
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Customer P/N:
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Meisongbei 美颂倍



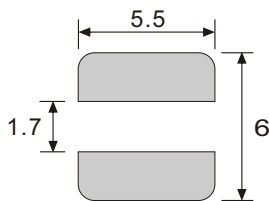
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A Dimensions: Unit(mm)

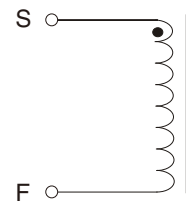


Part No.	A	B	C	D
MS54-220K	5.8±0.3	5.2±0.3	4.5±0.3	2.1±0.3

B Soldering: Unit(mm)



C Schematic:



C Electrical Specifications:

Part Number	Inductance	DCR	Rated Current (L 10% drop max)
	L(μH)	mΩ	A
MS54-220K	22±10%	180 max	1.8 max

D Test equipment

1. L: ZX2816B Tested at 100KHz,0.25V
2. DCR: 502BC
3. Isat: CHUANG DA 1608+1310LCZ

E Material List:

1. Core: Ferrite DR5.8*4.5
2. Wire: 2UEW 180°C

F Test Condition:

1. Humidity: 75%
2. Temperature: 25°C

G General Specifications:

1. Storage temp range: -40°C to +85°C
2. Operating temp range: -40°C to +125°C

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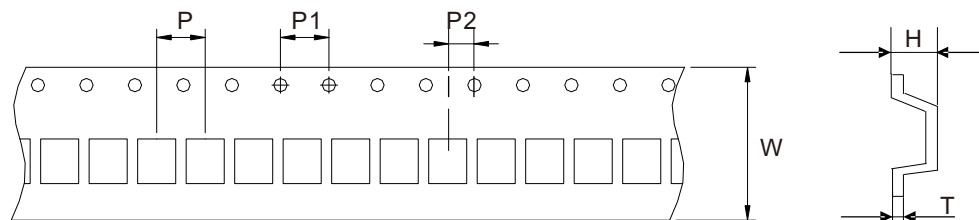
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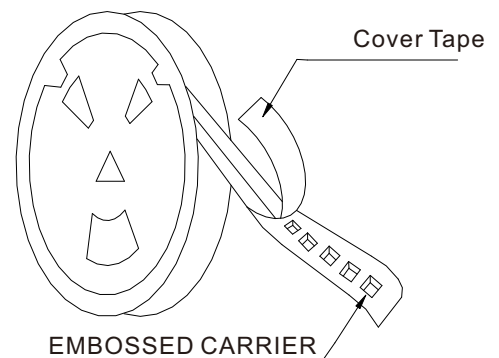
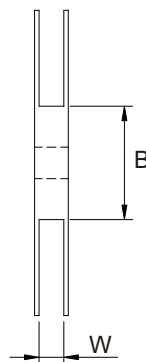
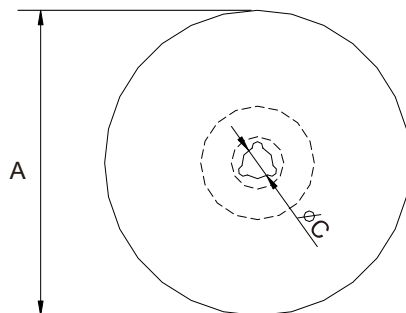
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I Tape & Reel Specifications:



Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.15	±0.05
MS54-220K		12.0	8.0	4.0	2.0	4.90	0.35



Unit: mm

Type	Dimension	QTY Per Reel	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
MS54-220K		1500	330	100	13	12.5

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