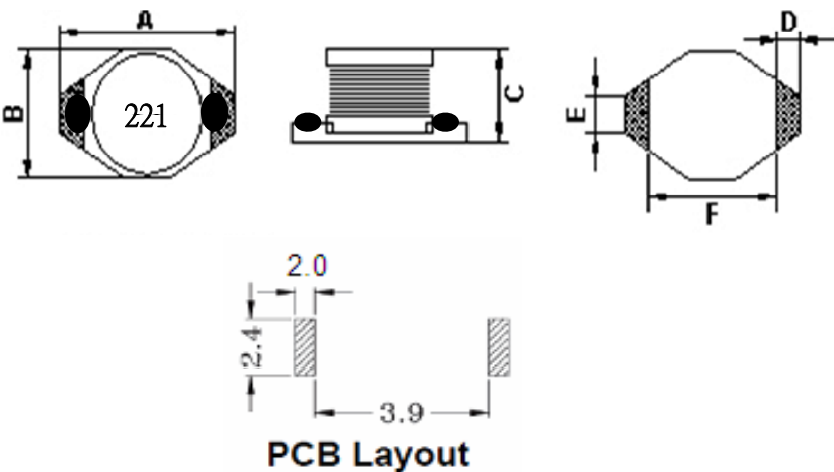


SPECIFICATION FOR APPROVAL

CUSTOMER		CUST P/N.	
ITEM	SMD Power Inductors	Description	SS0402N-221M-B
PART NO.	306-99213	DATE	2021.9.7

(1) DIMENSION(UNIT:mm)



PCB Layout

A	6.8MAX	mm
B	4.45MAX	mm
C	3.2MAX	mm
D	1.02REF	mm
E	1.27REF	mm
F	4.32REF	mm
G		mm
H		mm

(2)ELECTRICAL REQUIREMENTS

TEST CONDITION	FREQUENCY	VOLTAGE	(3) TEST INSTRUMENTS
L	220μH±20%	100KHz 0.1V	LCR-METER:
			V WK3260B TH2816B
DCR	3.11Ω±30%	KHz V	DC RESISTANCE METER:
			V WK3260B
Isat	0.22A(Max)at L drop20%(TYP)	100KHz 0.1V	LCR-METER: TH2816B+1320
Irms	0.2A(Max) at ΔT=40℃(TYP)	100KHz 0.1V	LCR-METER: TH2816B+1320

(4)TURN: 103TS(REF)

(5)MATERIAL LIST

ITEM	MATERIAL	DESCRIPTION
1	CORE	DR4.0*2.1
3	WIRE	0.08mm(2UEW-H-180)
4	INK	WHITE
5	EPOXY	BLACK

REMARK:	APPROVED	CHECKED	DRAWN BY
	姜杰文	姜法寶	王艷

TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER:				Part No.	306-99213		Test Q'ty:	5		PCS		
CUST P/N.				Description:	SS0402N-221M-B			Date:	2021.9.7			
MEASURE ITEM	L (μH)	L _{0.22A} (μH)	DCR (mΩ)	A (mm)	B (mm)	C (mm)						
SPECIFIC	220.0		3.11	6.8	4.45	3.2						
SUGGEST	±20%	at L drop 20%(TYP)	±30%	Max	Max	Max						
1	205.00	201.00	2.76	6.41	4.09	2.89						
2	204.00	200.00	2.75	6.38	4.06	2.87						
3	207.00	203.00	2.78	6.39	4.03	2.86						
4	203.00	200.00	2.75	6.38	4.08	2.85						
5	206.00	201.00	2.78	6.39	4.06	2.87						
6												
7												
8												
9												
10												
X												
R												
TEST CONDITION	INSTRUMENTS:		TH2816B					AT:	100KHz		0.1V	
	ENVIRONMENT:		TEMP:25 degree HUMDITY :65%									
	STORAGE TEMPERATURE RANGE				-40℃~+125℃							
	OPERATING TEMPERATURE RANGE				-40℃~+125℃							
REMARK:						APPROVED		CHECKED		DRAWN BY		
						姜杰文		姜法寶		王艷		

MINGSTAR ELECTRONIC CORP.