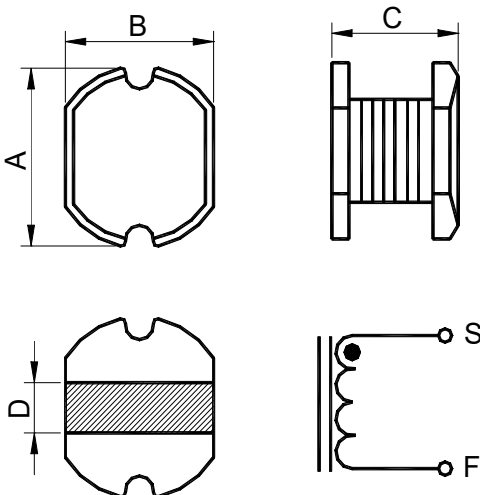


## SPECIFICATION FOR APPROVAL

CUSTOMER		CUST P/N.	
ITEM	SMD Power Inductors	Description	CD54N-3R9M
PART NO.		DATE	

<p><b>(1) DIMENSION(UNIT:mm)</b></p> 		<b>A</b>	5.8 ± 0.5	mm
		<b>B</b>	5.0 ± 0.5	mm
		<b>C</b>	4.5 ± 0.5	mm
		<b>D</b>	1.3 (REF)	mm
		<b>E</b>		mm
		<b>F</b>		mm
		<b>G</b>		mm
		<b>H</b>		mm

(2)ELECTRICAL REQUIREMENTS			
TEST CONDITION	FREQUENCY	VOLTAGE	(3) TEST INSTRUMENTS
			LCR-METER:
<b>L</b>	3.9μH±20%	7.96MHz 1.0V	HP-4291A
			V WK3260B
<b>DCR</b>	0.035Ω (Max)	KHz V	DC RESISTANCE METER:
			V WK3260B
<b>IDC</b>	4.6A (Max)	100KHz 1.0V	CURRENT SOURCE:
			V TH2816B+1320
<b>L<sub>IDC</sub></b>	drop 30% (Max)	KHz V	RFIMPENDANCE/MATERIAL ANALYZER
			WK3260B
		MHz V	GW PUNCTURE INSULATION TESTER
			HP-4291A

**(4)TURNS: TS(REF)**

(5)MATERIAL LIST		
ITEM	MATERIAL	DESCRIPTION
1	CORE	
2	WIRE	
3	INK	
4		

REMARK:	APPROVED	CHECKED	DRAWN BY
	姜杰文	姜法宝	MIA

## TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER:			Part No.	0		Test Q'ty:	10		PCS		
CUST P/N.			Description:	CD54N-3R9M			Date:	0			
MEASURE ITEM	L ( $\mu$ H)	DCR (m $\Omega$ )	A (mm)	B (mm)	C (mm)						
SPECIFIC	3.9	35.0	5.8	5.0	4.5						
SUGGEST	$\pm$ 20%	Max	$\pm$ 0.5	$\pm$ 0.5	$\pm$ 0.5						
1	4.06	26.5	5.67	5.49	4.56						
2	4.01	26.4	5.78	5.24	4.61						
3	4.00	26.6	5.68	5.23	4.55						
4	4.00	26.7	5.65	5.22	4.57						
5	3.99	26.6	5.68	5.23	4.60						
6	3.94	26.8	5.57	5.24	4.57						
7	4.00	26.7	5.69	5.25	4.57						
8	3.92	26.5	5.70	5.26	4.61						
9	4.02	26.4	5.78	5.21	4.57						
10	3.99	26.5	5.69	5.25	4.56						
X											
R											
TEST CONDITION	INSTRUMENTS:		WK3260B				AT:	1MHz	0.25V		
	ENVIRONMENT:		TEMP:25 degree HUMDITY :65%								
	STORAGE TEMPERATURE RANGE				-40 $^{\circ}$ C~+125 $^{\circ}$ C						
	OPERATING TEMPERATURE RANGE				-40 $^{\circ}$ C~+125 $^{\circ}$ C						
REMARK:						APPROVED	CHECKED	DRAWN BY			
						姜杰文		姜法宝		MIA	