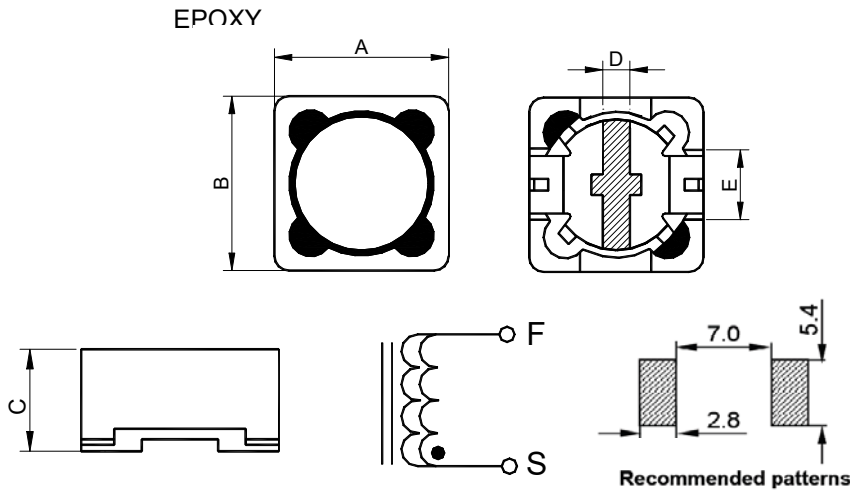


## SPECIFICATION FOR APPROVAL

CUSTOMER		CUST P/N.	
ITEM	SMD Power Inductors	Description	CDRH127N-150M-01
PART NO.	306-97202	DATE	2020.8.18

**(1) DIMENSION(UNIT:mm)**



<b>A</b>	12.0 ± 0.5	mm
<b>B</b>	12.0 ± 0.5	mm
<b>C</b>	8.0 (Max)	mm
<b>D</b>	1.9 ± 0.3	mm
<b>E</b>	5.0 ± 0.3	mm
<b>F</b>		mm
<b>G</b>		mm
<b>H</b>		mm

**(2) ELECTRICAL REQUIREMENTS**

TEST CONDITION		FREQUENCY		(3) TEST INSTRUMENTS	
		VOLTAGE		LCR-METER:	
<b>L</b>	15.0μH±20%	100KHz	0.25V	<b>V</b>	WK3260B TH2816B
<b>DCR</b>	27mΩ (Max)	KHz	V	<b>V</b>	DC RESISTANCE METER: WK3260B
<b>Isat</b>	5.65A(Max) at L drop 20%(TYP)	100KHz	0.25V	<b>V</b>	CURRENT SOURCE: TH2816B+1320

**(4) TURN: 14.5TS(REF)**

**(5) MATERIAL LIST**

ITEM	MATERIAL	DESCRIPTION
1	CORE	
2	COAT	
3	WIRE	
4	INK	
5	EPOXY	

REMARK:	APPROVED	CHECKED	DRAWN BY
	姜杰文	姜法寶	王艷

## TEST DATA FOR PREPRODUCTION SAMPLES

<b>CUSTOMER:</b>			<b>Part No.</b>	<b>306-97202</b>		<b>Test Q'ty:</b>	<b>10</b>		<b>PCS</b>			
<b>CUST P/N.</b>			<b>Description:</b>	<b>CDRH127N-150M-01</b>			<b>Date:</b>	<b>2020.8.18</b>				
<b>MEASURE ITEM</b>	L ( $\mu$ H)	L <sub>5.65A</sub> ( $\mu$ H)	DCR (m $\Omega$ )	A (mm)	B (mm)	C (mm)						
<b>SPECIFIC</b>	15.0	L/L0 : drop 20%TYP	27.000	12.0	12.0	8.0						
<b>SUGGEST</b>	$\pm$ 20%		Max	$\pm$ 0.5	$\pm$ 0.5	Max						
1	14.20	13.00	22.10	12.28	12.27	7.62						
2	15.00	12.90	22.30	12.28	12.29	7.58						
3	15.30	13.10	21.50	12.31	12.30	7.60						
4	15.20	13.00	21.60	12.33	12.30	7.59						
5	14.90	13.20	22.00	12.31	12.28	7.61						
6	14.9	13.10	22.50	12.09	12.09	7.52						
7	15.0	12.90	22.30	12.07	12.05	7.58						
8	15.2	13.00	22.10	12.10	12.10	7.49						
9	15.0	13.00	22.50	12.11	12.16	7.54						
10	15.3	12.90	22.50	12.07	12.00	7.58						
X												
R												
<b>TEST CONDITION</b>	<b>INSTRUMENTS:</b>		TH2816B				<b>AT:</b>	100KHz	0.25V			
	<b>ENVIORMENTS:</b>		TEMP:25 degree HUMDITY :65%									
	<b>STORAGE TEMPERATURE RANGE</b>				-40 $^{\circ}$ C~+125 $^{\circ}$ C							
	<b>OPERATING TEMPERATURE RANGE</b>				-40 $^{\circ}$ C~+125 $^{\circ}$ C							
<b>REMARK:</b>						<b>APPROVED</b>	<b>CHECKED</b>	<b>DRAWN BY</b>				
						姜杰文	姜法寶	王艷				

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