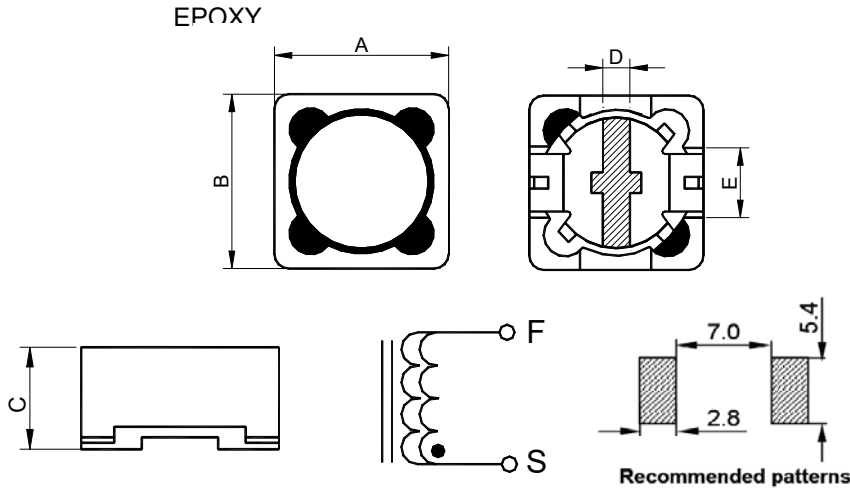


## SPECIFICATION FOR APPROVAL

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

CUSTOMER:			Part No.	306-97202		Test Q'ty:	10		PCS			
CUST P/N.			Description:	CDRH127N-150M-01			Date:	2020.8.18				
MEASURE ITEM	L ( $\mu$ H)	L <sub>5.65A</sub> ( $\mu$ H)	DCR (m $\Omega$ )	A (mm)	B (mm)	C (mm)						
SPECIFIC	15.0	L/L0 : drop 20%TYP	27.000	12.0	12.0	8.0						
SUGGEST	$\pm$ 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												
TEST CONDITION	INSTRUMENTS:		TH2816B				AT:	100KHz	0.25V			
	ENVIORMENTS:		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	姜法寶	王艷				

**MINGSTAR ELECTRONIC CORP.**