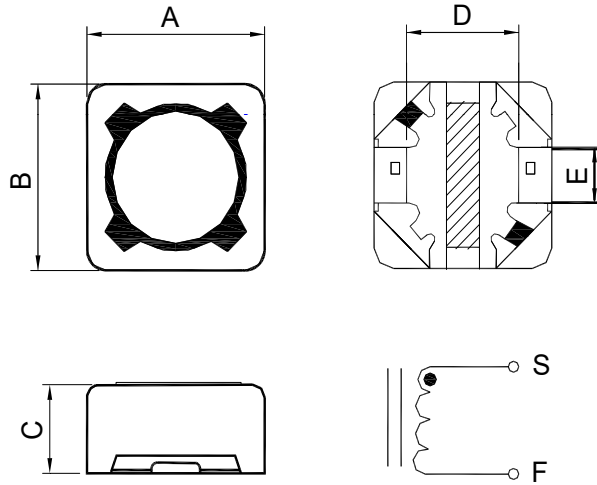


## SPECIFICATION FOR APPROVAL

CUSTOMER		CUST P/N.	
ITEM	SMD Power Inductors	Description	CDRH074N-6R8M
PART NO.	306-60781	DATE	2023.03.01

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



<b>A</b>	7.3 ± 0.5	mm
<b>B</b>	7.3 ± 0.5	mm
<b>C</b>	4.5 (Max)	mm
<b>D</b>	5.2 ± 0.3	mm
<b>E</b>	2.0 ± 0.2	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>	6.8μH±20%	200KHz	0.25V	<b>V</b>	HP-4291A WK3260B
<b>DCR</b>	60.0mΩ (Max)	KHz	V	<b>V</b>	DC RESISTANCE METER: WK3260B
<b>Isat</b>	3.5A(Max) at L drop 35%(TYP)	200KHz	0.25V	<b>V</b>	CURRENT SOURCE: TH2816B+1320
<b>Irms</b>	3.9A(Max) at ΔT=40°C (TYP)	200KHz	0.25V	<b>V</b>	RFIMPEDANCE/MATERIAL ANALYZER TH2816B+1320

**(4) TURN: 13Ts(REF)**

**(5) MATERIAL LIST**

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

REMARK:	APPROVED	CHECKED	DRAWN BY
	姜杰文	姜法宝	MIA

## TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER:		Part No.	306-60781	Test Q'ty:	10	PCS	
CUST P/N.		Description:	CDRH074N-6R8M	Date:	2023.03.01		
MEASURE ITEM	L ( $\mu$ H)	DCR (m $\Omega$ )	A (mm)	B (mm)	C (mm)		
SPECIFIC	6.8	60.0	7.3	7.3	4.5		
SUGGEST	$\pm$ 20%	Max	$\pm$ 0.5	$\pm$ 0.5	Max		
1	6.45	39.4	7.36	7.34	4.10		
2	6.42	39.0	7.35	7.33	4.14		
3	6.53	39.2	7.35	7.33	4.12		
4	6.55	39.0	7.34	7.33	4.14		
5	6.37	39.3	7.34	7.34	4.12		
6	6.44	39.4	7.36	7.35	4.12		
7	6.39	39.6	7.37	7.34	4.12		
8	6.48	39.0	7.35	7.34	4.06		
9	6.56	39.4	7.36	7.36	4.11		
10	6.50	39.2	7.35	7.35	4.06		
X							
R							
TEST CONDITION	INSTRUMENTS:	WK3260B			AT:	200 KHz	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	

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