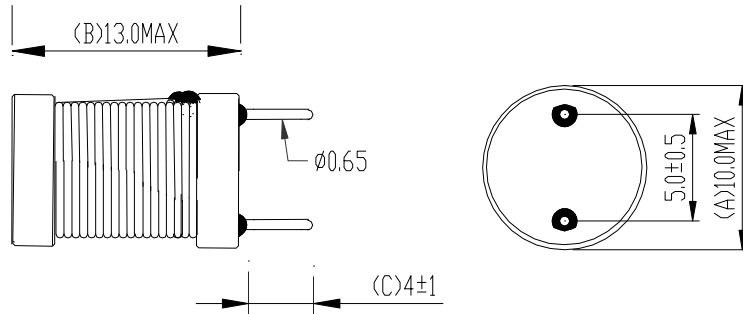




Panasonic EPCOS ELC08D2R7E alternative

1. Shape and Dimensions (UNIT:mm)



2. ELECTRICAL SCHEMATIC



3. ELECTRICAL REQUIREMENTS

3.1 INDUCTANCE: $2.7 \mu\text{H} \pm 20\%$ @ 10KHz, 0.1V

$L_{6.3A} \geq L_{0A} * 90\%$.

DCR = $11 \pm 30\%$ mΩ

3.2 TEST INSTRUMENTS: & VR115 (LCR) & VR7210

4. MATERIAL LIST

NO.	PART NAME	DISCRIPTION
1	CORE	J2B DR2W8x10*3.5 F6P5 CP0.65
2	WIRE TYPE	0.55mm*2UEW

NAME	Power inductor		
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Panasonic EPCOS ELC08D2R7E alternative



TEST REPORT

PANASONIC P/N		ELC08D2R7E		DATE	2022-07-08	
ALTERNATIVE P/N		DR0810-2R7M		Q'TY	5 PCS	
FREQUENCY		10KHZ/0.1V				
TEMP				HUMIDITY		
ELECTRICAL CHARACTERISTIC			DIMENSION (unit:mm)			
ITEM	L0A(mH)	L0.12A(μH)	DCR(mΩ)	A	B	C
SPEC	2.7±20%	≥L0Ax0.9	11±30%	10.0MAX	13.0MAX	4±1
1	2.68	2.49	11.2	8.23	12.12	3.68
2	2.75	2.52	13.0	8.24	12.23	3.78
3	2.66	2.50	12.6	8.34	12.32	3.67
4	2.73	2.54	12.1	8.45	12.28	3.87
5	2.72	2.51	11.5	8.19	12.34	3.89
6						
7						
8						
9						
10						
X						
				CONFIRM	杨福全	
				CHECKED	段丽萍	
				DESIGN	虞平	
				TEST INSTRUMENTS	VR115 & VR7210	

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