

Power Inductor CDR25D09/LA



 **sumida**



■ Features

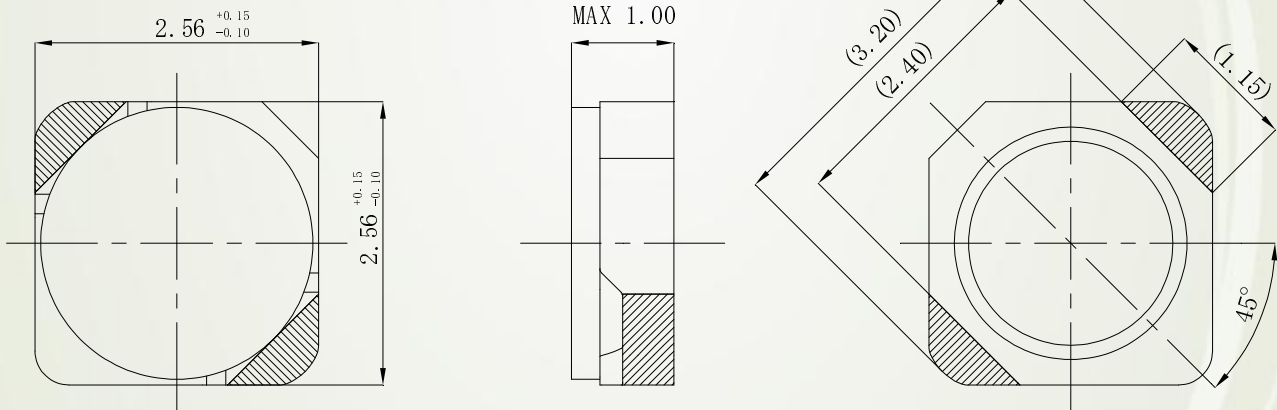
- ◎ Magnetically shielded construction.
- ◎ Storage temperature range: $-40^{\circ}\text{C}\sim+105^{\circ}\text{C}$.
- ◎ Operating temperature range: $-40^{\circ}\text{C}\sim+105^{\circ}\text{C}$ (including coil's self temperature rise).
- ◎ High operating frequency up to 6MHz.
- ◎ RoHS Compliance and Halogen Free.

■ Applications

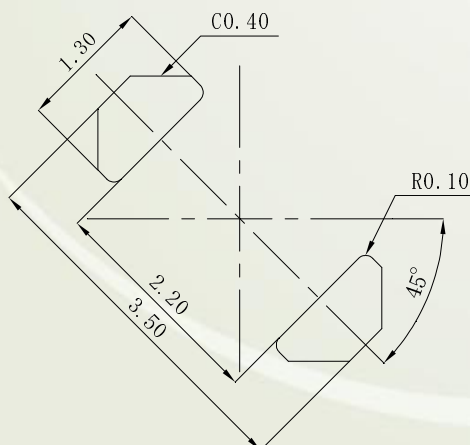
Ideally used in MP3/MP4 player, smart phone, PDA, DSC, DVC, etc.

■ Dimensions/Recommended Land Patterns (mm)

◆ Dimensions



◆ Land pattern



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■ Electrical Characteristics specification.

No.	Part name	Stamp	Inductance (μ H) [Within] ※1	D.C.R. (m Ω) [Within] (at 20°C)	The saturation current (A) ※2 (at 20°C)	Temperature rise current (A) ※3 Δ T=40°C
1	CDR25D09LANP-R47PC	A	0.47 \pm 25%	37 \pm 25%	1.60	2.25
2	CDR25D09LANP-R68PC	B	0.68 \pm 25%	53 \pm 25%	1.28	1.70
3	CDR25D09LANP-1R0PC	C	1.00 \pm 25%	63 \pm 25%	1.09	1.55
4	CDR25D09LANP-1R5PC	D	1.50 \pm 25%	106 \pm 20%	0.93	1.00
5	CDR25D09LANP-2R2MC	E	2.20 \pm 25%	170 \pm 20%	0.74	0.88
6	CDR25D09LANP-3R3MC	F	3.30 \pm 20%	243 \pm 20%	0.61	0.69
7	CDR25D09LANP-4R7MC	G	4.70 \pm 20%	382 \pm 20%	0.47	0.50
8	CDR25D09LANP-6R8MC	H	6.80 \pm 20%	481 \pm 20%	0.41	0.40

※1 Measuring frequency inductance at 1MHz .

※2 Saturation current: The DC current at which the inductance decreases to 70% of its nominal value.

※3 Temperature rise current: The DC current at which the temperature rise is Δ t=40°C.(Ta=20°C)

For More Information

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