

Power Inductor CDR25D07/LA



 **sumida**



■ Features

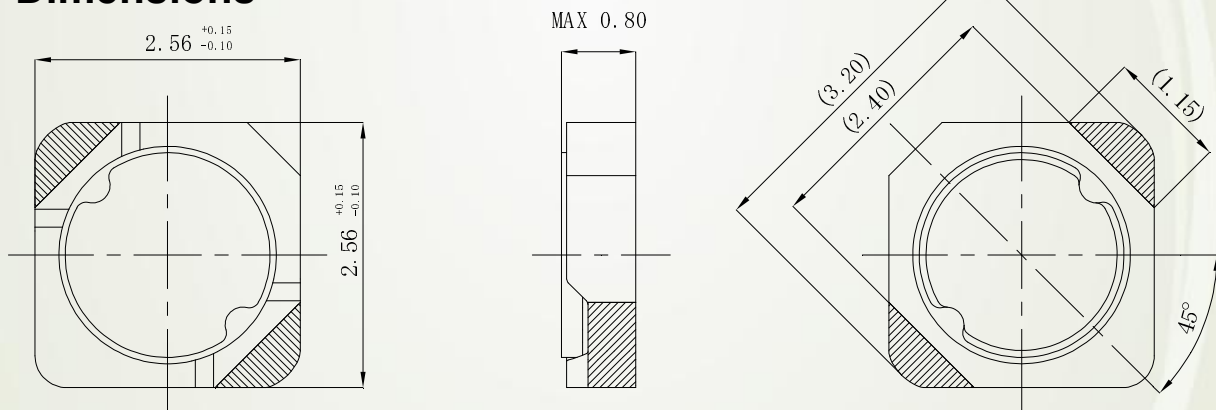
- ◎ Magnetically shielded construction.
- ◎ Storage temperature range: $-40^{\circ}\text{C}\sim+105^{\circ}\text{C}$.
- ◎ Operating temperature range: $-40^{\circ}\text{C}\sim+105^{\circ}\text{C}$ (including coil's self temperature rise).
- ◎ High operating frequency up to 6MHz.
- ◎ RoHS Compliance and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

■ Applications

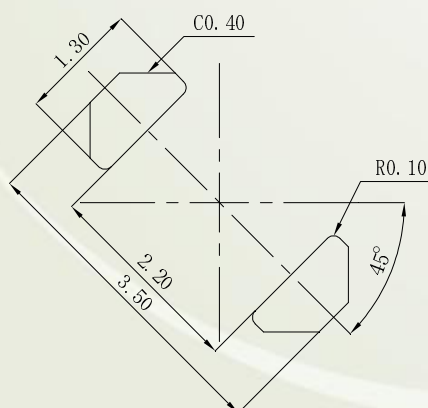
Ideally used in MP3/MP4, smart phone, PDA, DSC/DVC, etc.

■ 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 $\Delta T=40^\circ\text{C}$
1	CDR25D07LANP-R68PC	A	$0.68 \pm 25\%$	$53 \pm 25\%$	0.78	1.58
2	CDR25D07LANP-1R0PC	B	$1.0 \pm 25\%$	$104 \pm 20\%$	0.64	0.98
3	CDR25D07LANP-1R5PC	C	$1.6 \pm 25\%$	$136 \pm 20\%$	0.53	0.87
4	CDR25D07LANP-2R2PC	D	$2.2 \pm 25\%$	$202 \pm 20\%$	0.45	0.66
5	CDR25D07LANP-3R3MC	E	$3.3 \pm 20\%$	$331 \pm 20\%$	0.37	0.49
6	CDR25D07LANP-4R7MC	F	$4.7 \pm 20\%$	$391 \pm 20\%$	0.31	0.45

※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 $\Delta t=40^\circ\text{C}$. ($T_a=20^\circ\text{C}$)

For More Information

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