Power Inductor
CDR25D07/LA

■ Features

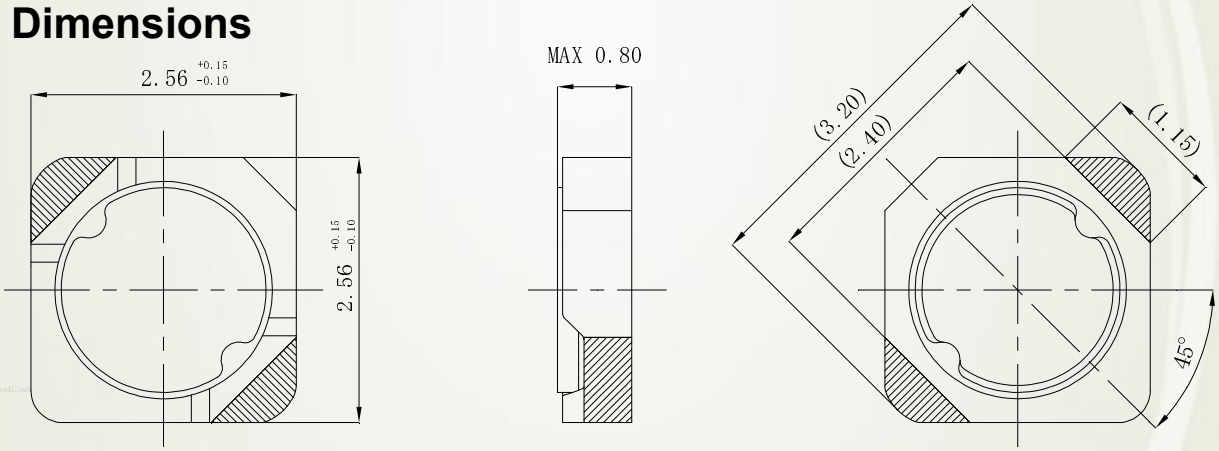
◎ Magnetically shielded construction.
◎ Storage temperature range: -40℃~+105℃.
◎ Operating temperature range: -40℃~+105℃
(including coil's self temperature rise).
◎ High operating frequency up to 6MHz.
◎ RoHS Compliance and Halogen Free.

■ Applications

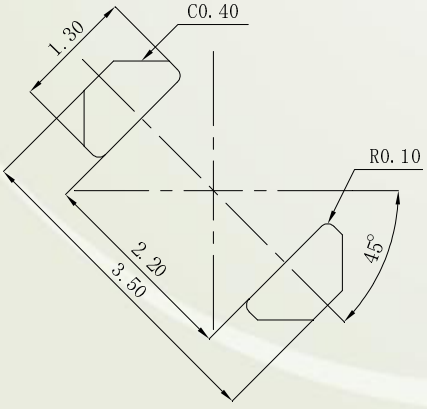
Ideally used in MP3/MP4, smart phone, PDA, DSC/DVC, etc.

■ Dimensions/Recommended Land Patterns (mm)

◆ Dimensions



◆ Land pattern



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■Electrical Characteristics specification.

No.	Part name	Stamp	Inductance (μH) [Within] ※1	D.C.R. (mΩ) [Within] (at 20℃)	The saturation current (A) ※2 (at 20℃)	Temperature rise current (A) ※3 △T=40℃
1	CDR25D07LANP-R68PC	A	0.68±25%	53±25%	0.78	1.58
2	CDR25D07LANP-1R0PC	B	1.0±25%	104±20%	0.64	0.98
3	CDR25D07LANP-1R5PC	C	1.6±25%	136±20%	0.53	0.87
4	CDR25D07LANP-2R2PC	D	2.2±25%	202±20%	0.45	0.66
5	CDR25D07LANP-3R3MC	E	3.3±20%	331±20%	0.37	0.49
6	CDR25D07LANP-4R7MC	F	4.7±20%	391±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 △t=40℃.(Ta=20℃)

For More Information

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