Power Inductor
CDR25D09/LA

■ Features

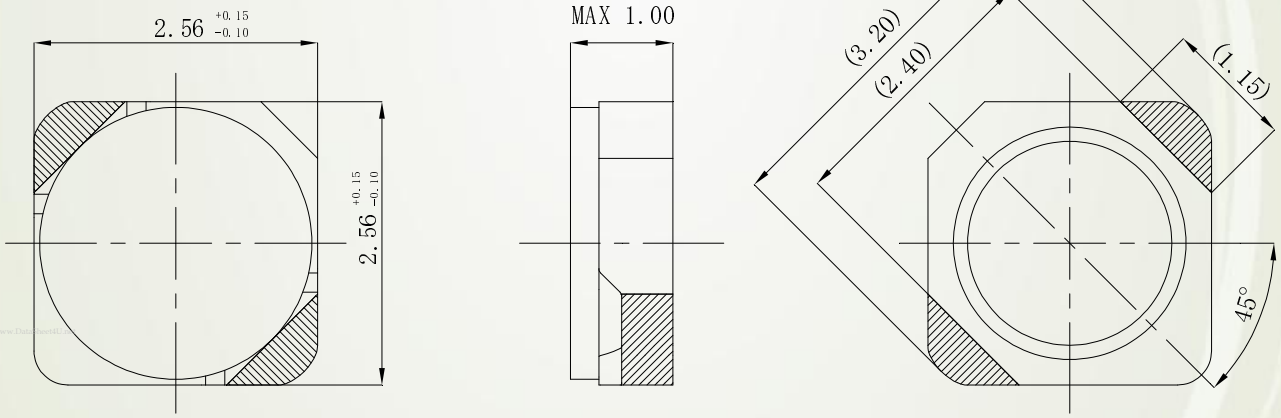
◎ Magnetically shielded construction.
◎ Storage temperature range: -40℃~+105℃.
◎ Operating temperature range: -40℃~+105℃
(including coil's self temperature rise).
◎ High operating frequency up to 6MHz.
◎ RoHS Compliance and Halogen Free.

■ Applications

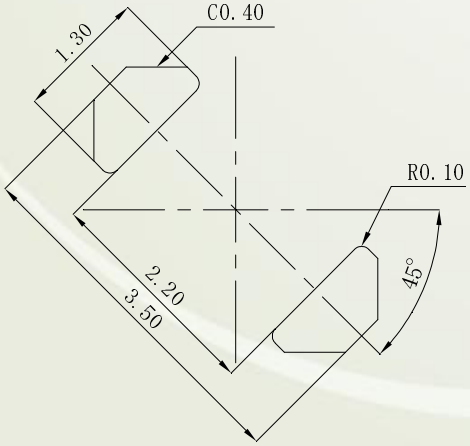
Ideally used in MP3/MP4 player,smart phone,PDA,DSC,DVC,etc.

■ Dimensions/Recommended Land Patterns (mm)

◆ Dimensions



◆ Land pattern



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■Electrical Characteristics specification.

No.	Part name	Stamp	Inductance (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	CDR25D09LANP-R47PC	A	0.47±25%	37±25%	1.60	2.25
2	CDR25D09LANP-R68PC	B	0.68±25%	53±25%	1.28	1.70
3	CDR25D09LANP-1R0PC	C	1.00±25%	63±25%	1.09	1.55
4	CDR25D09LANP-1R5PC	D	1.50±25%	106±20%	0.93	1.00
5	CDR25D09LANP-2R2MC	E	2.20±25%	170±20%	0.74	0.88
6	CDR25D09LANP-3R3MC	F	3.30±20%	243±20%	0.61	0.69
7	CDR25D09LANP-4R7MC	G	4.70±20%	382±20%	0.47	0.50
8	CDR25D09LANP-6R8MC	H	6.80±20%	481±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 △t=40℃.(Ta=20℃)

For More Information

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