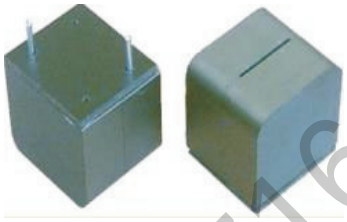
Class D Dual Inductor MDP Series



Product Identification:

MDP	-	2023	-	A	-	100	M
(1)		(2)		(3)		(4)	(5)

(1) Series

(2) Dimensions(L*H*W)

(3) Type

(4) Inductance (1R0=1.0uH，100=10uH，101=100uH)

(5) Tolerance(K(±10%), L(±15%)，M(±20%),P(±25%))

DIMENSIONS DRAWING:

FIG1

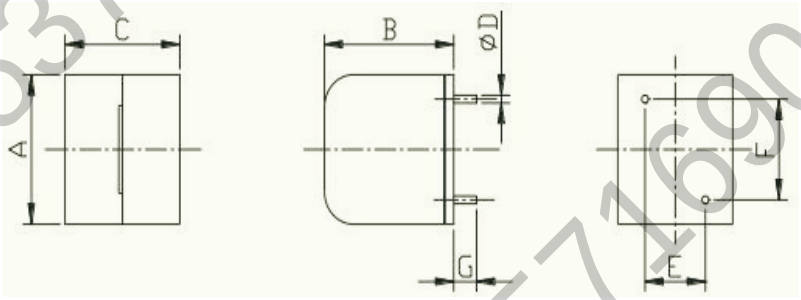
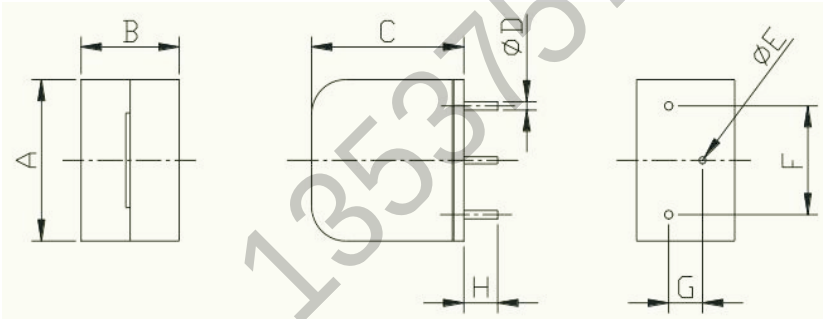


FIG2



Shape and Dimensions									
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	FIG
MDP-2023A	23.0±0.5	23.0Max	20.0±0.5	--	10.5±0.5	15.5±0.5	5.0±1.0	–	1
MDP-2023B	23.0±0.5	14.5±0.5	23.0Max	1.2±0.2	1.0±0.1	15.5±0.5	5.0±0.5	5.0±1.0	2

Class D Dual Inductor MDP-2023* Series

ELECTRICAL CHARACTERISTIC:

PART NO	Inductance @10KHz/1V		DCR (mΩ)		IDC 1 (A) Max	IDC 2 (A) Max	Dimension	
	L (uH)	Tol.(%)	Typ	Max			D±0.1 (mm)	E±0.1 (mm)
MDP-2023A-100M	10	±20	--	3.8	36.0	12.0	--	--
MDP-2023A-150M	15	±20	--	4.2	30.0	12.0	--	--
MDP-2023A-220M	22	±20	--	8.1	18.5	10.0	--	--
MDP-2023A-330M	33	±20	--	13.1	12.0	10.0	--	--
MDP-2023B-100M	10	±20	--	8.3	31.5	9.1	--	--
MDP-2023B-120M	12	±20	--	8.3	26.0	9.1	--	--
MDP-2023B-150M	15	±20	--	9.1	23.5	8.7	--	--
MDP-2023B-180M	18	±20	--	8.3	17.5	9.1	--	--
MDP-2023B-220M	22	±20	--	9.1	16.5	8.7	--	--
MDP-2023B-330M	33	±20	--	12.0	11.0	8.0	--	--

(1).IDC1:Base on temp.rise & ΔL/L0A≦35% Max

(2).IDC2:Temp.rise 40℃Typ

(3).Operating Temperature: -40°C up to +125℃

※:Rated DC Current： The less value which is IDC1 or IDC2