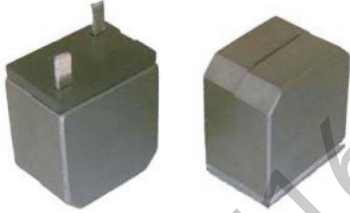


Class D Dual Inductor MDP Series

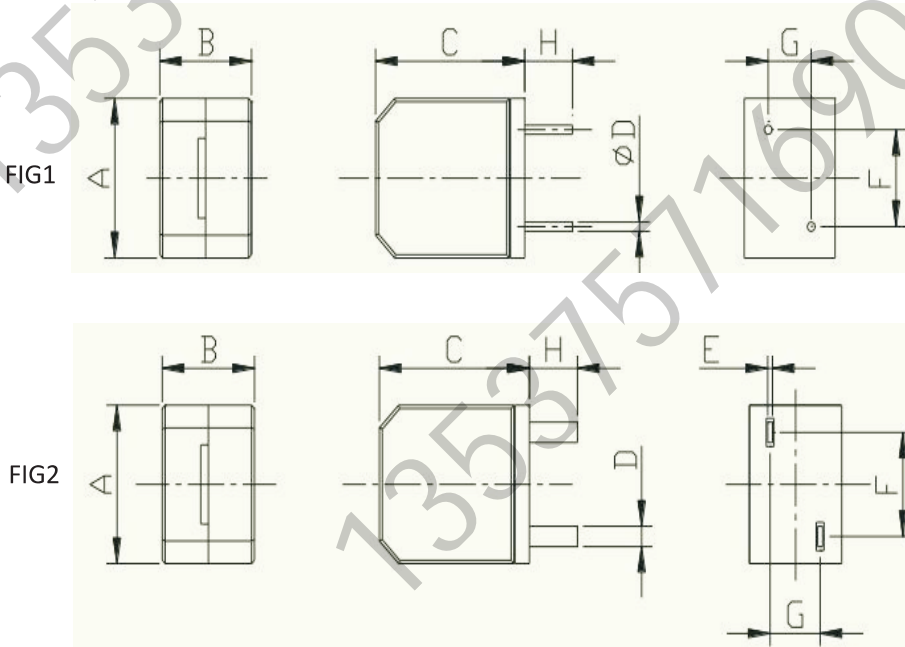
Product Identification:

MDP - 1416 - 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:



Shape and Dimensions									
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	FIG
MDP-1416A	14.0±0.5	9.6±0.5	16.0Max	*	--	8.5±0.5	4.5±0.5	5.0±1.0	1
MDP-1416B	14.0±0.5	9.6±0.5	16.0Max	*	*	9.2±0.5	5.2±0.5	5.0±1.0	2
MDP-1416C	14.0±0.5	9.6±0.5	16.0Max	*	--	8.5±0.5	4.5±0.5	5.0±1.0	

Class D Dual Inductor MDP-1416* 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-1416A-100M	10	±20	--	15.0	11.5	7.0	0.8	--
MDP-1416A-150M	15	±20	--	18.0	10.0	6.0	0.8	--
MDP-1416A-220M	22	±20	--	20.0	8.0	5.5	0.7	--
MDP-1416A-330M	33	±20	--	28.0	5.5	5.0	0.65	--
MDP-1416B-100M	10	±20	--	6.5	9.0	8.0	1.8	0.5
MDP-1416B-120M	12	±20	--	6.5	8.5	8.0	1.8	0.5
MDP-1416B-150M	15	±20	--	7.0	7.5	7.5	1.8	0.5
MDP-1416B-220M	22	±20	--	12	6.5	7	1.8	0.43
MDP-1416B-330M	33	±20	--	15.0	6.0	6.0	1.8	0.35
MDP-1416B-470M	47	±20	--	20.0	5.0	5.0	1.8	0.3
MDP-1416C-100M	10	±20	11.3	15.0	15	7.0	1.8	0.35
MDP-1416C-120M	12	±20	12	16.0	13	7.0	1.8	0.35
MDP-1416C-150M	15	±20	8.2	12.0	11	8.0	1.8	0.43
MDP-1416C-220M	22	±20	12	16.0	10	7.0	1.8	0.35
MDP-1416C-330M	33	±20	16.2	20.0	9	5.0	1.8	0.3

(1).IDC1:Base on temp.rise & $\Delta L/L0A \leq 35\%$ Max

(2).IDC2:Temp.rise 40°C Typ

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

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