

MT SERIES -(MT31/32/42/43/52/53/54/73/75/104/105)

1 . FEATURES(特性):

- ◆ Various high power inductors are superior to be high saturation for surface mounting -具有高功率,高饱和度,低阻抗,小型化的特点
- ◆ Put the electrode with ferrite core directly, a small surface area allow a high mounting density -直接电极设计,降低零件高度

2 . APPLICATIONS(应用):

- ◆ MP3, Mpeg4, VTR, LCD TV, communication equipments, DC/DC converters, etc.. -MP3, Mpeg4, 录影机, 液晶电视, 通信设备, 直流转换器

3 . SPECIFICATIONS(说明):

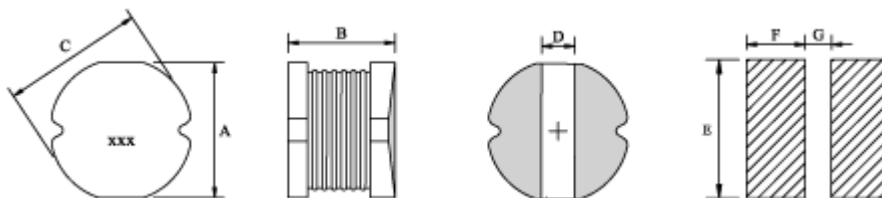
- ◆ Operating Temperature: -30 to +80 -工作温度: -30 - +80
- ◆ Operating Frequency: Up to 1MHz -工作频率: 达到 1MHz
- ◆ Inductance Drop=10% typ. at IDC -电感下跌 10%加电流时
- ◆ Electrical Specifications at 20 -电气特性是在 20 条件下



5 . ORDERING CODE(编号识别):

<u>MT</u>	<u>54</u>	-	<u>330</u>	<u>K</u>
(1)	(2)		(3)	(4)
(1)	Part type -产品类型			
(2)	Dimensions -尺寸			
(3)	Inductance -电感量			
(4)	Inductance tolerance -电感量公差			
J±5%, K±10%, L±15%, M±20%				

4 . SHAPE AND DIMENSIONS(外形尺寸):



Unit: mm

TYPE 类型	L Range (μH) 电感范围	A ± 0.3	B ± 0.3	C ± 0.3	D	E	F	G
MT31	3.3 --- 390	3.0	1.6	3.5	1.2	3.5	1.60	0.8
MT32	1.0 --- 390	3.0	2.1	3.5	1.2	3.5	1.60	0.8
MT42	2.2 --- 470	4.0	2.0	4.5	1.5	4.5	2.10	0.8
MT43	1.0 --- 1000	4.0	3.2	4.5	1.5	4.5	2.10	0.8
MT52	1.2 --- 1000	5.2	2.5	5.8	2.0	5.5	2.25	1.5
MT53	1.0 --- 1000	5.2	3.0	5.8	2.0	5.5	2.25	1.5
MT54	2.2 --- 1000	5.2	4.5	5.8	2.0	5.5	2.25	1.5
MT73	10 --- 1000	7.0	3.5	7.8	2.5	7.5	3.05	1.9
MT75	1.2 --- 1000	7.0	5.0	7.8	2.5	7.5	3.05	1.9
MT104	10 --- 1000	9.0	4.0	10.0	2.9	9.5	3.65	2.5
MT105	1.8 --- 1000	9.0	5.4	10.0	2.9	9.5	3.65	2.5

Design a Customer's Requested Specifications (可根据客户具体要求来设计)

SMD POWER INDUCTORS

6 . ELECTRICAL CHARACTERISTICS(电气特性):

MT43 Series				
Part Number	Inductance (μ H)	Test Freq. (MHz)	DCR (Ω) (max)	IDC (A) (max)
型 号	电感值 (L)	测试频率	直流电阻	额定电流
MT43 - 1R0M	1.0	7.96	0.049	3.80
MT43 - 1R4M	1.4	7.96	0.056	3.30
MT43 - 1R8M	1.8	7.96	0.064	2.91
MT43 - 2R2M	2.2	7.96	0.071	2.60
MT43 - 2R7M	2.7	7.96	0.079	2.43
MT43 - 3R3M	3.3	7.96	0.086	2.15
MT43 - 3R9M	3.9	7.96	0.094	1.98
MT43 - 4R7M	4.7	7.96	0.109	1.70
MT43 - 5R6M	5.6	7.96	0.126	1.60
MT43 - 6R8M	6.8	7.96	0.131	1.41
MT43 - 8R2M	8.2	7.96	0.146	1.26
MT43 - 100K	10	2.52	0.182	1.15
MT43 - 120K	12	2.52	0.210	1.05
MT43 - 150K	15	2.52	0.235	0.92
MT43 - 180K	18	2.52	0.338	0.84
MT43 - 220K	22	2.52	0.378	0.76
MT43 - 270K	27	2.52	0.522	0.71
MT43 - 330K	33	2.52	0.540	0.64
MT43 - 390K	39	2.52	0.587	0.59
MT43 - 470K	47	2.52	0.844	0.54
MT43 - 560K	56	2.52	0.937	0.50
MT43 - 680K	68	2.52	1.117	0.46
MT43 - 820K	82	1.0K	1.345	0.45
MT43 - 101K	100	1.0K	1.520	0.44
MT43 - 121K	120	1.0K	1.800	0.43
MT43 - 151K	150	1.0K	2.000	0.42
MT43 - 181K	180	1.0K	3.200	0.38
MT43 - 221K	220	1.0K	3.400	0.36
MT43 - 271K	270	1.0K	3.900	0.34
MT43 - 331K	330	1.0K	5.300	0.28
MT43 - 391K	390	1.0K	5.900	0.24
MT43 - 471K	470	1.0K	6.800	0.21
MT43 - 561K	560	1.0K	8.500	0.20
MT43 - 681K	680	1.0K	10.00	0.18
MT43 - 821K	820	1.0K	13.40	0.15
MT43 - 102K	1000	1.0K	15.60	0.14