

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

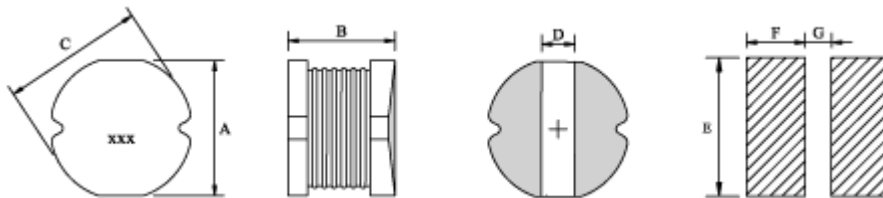
3 . SPECIFICATIONS(说明):

- ◆ 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):

MT	54	-	330	K
(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):

MT52 Series				
Part Number	Inductance (μ H)	Test Freq. (KHz)	DCR (Ω) (max)	IDC (A) (max)
型号	电感值 (L)	测试频率	直流电阻	额定电流
MT52 - 1R2M	1.2	100	0.05	4.20
MT52 - 1R5M	1.5	100	0.06	4.00
MT52 - 1R8M	1.8	100	0.07	3.70
MT52 - 2R2M	2.2	100	0.07	3.50
MT52 - 2R7M	2.7	100	0.08	3.20
MT52 - 3R3M	3.3	100	0.10	2.70
MT52 - 3R9M	3.9	100	0.12	2.40
MT52 - 4R7M	4.7	100	0.14	2.00
MT52 - 5R6M	5.6	100	0.15	1.80
MT52 - 6R8M	6.8	100	0.16	1.50
MT52 - 8R2M	8.2	100	0.17	1.40
MT52 - 100K	10	100	0.20	1.30
MT52 - 120K	12	100	0.23	1.10
MT52 - 150K	15	100	0.25	1.05
MT52 - 180K	18	100	0.30	1.00
MT52 - 220K	22	100	0.35	0.90
MT52 - 270K	27	100	0.40	0.85
MT52 - 330K	33	100	0.50	0.75
MT52 - 390K	39	100	0.55	0.70
MT52 - 470K	47	100	0.65	0.60
MT52 - 560K	56	100	0.75	0.55
MT52 - 680K	68	100	0.95	0.50
MT52 - 820K	82	100	1.20	0.45
MT52 - 101K	100	100	1.40	0.40
MT52 - 121K	120	100	1.75	0.35
MT52 - 151K	150	100	2.00	0.25
MT52 - 181K	180	100	2.60	0.22
MT52 - 221K	220	100	3.00	0.20
MT52 - 271K	270	100	3.70	0.18
MT52 - 331K	330	100	4.30	0.17
MT52 - 391K	390	100	6.00	0.16
MT52 - 471K	470	100	6.70	0.15
MT52 - 561K	560	100	7.50	0.14
MT52 - 681K	680	100	8.30	0.13
MT52 - 821K	820	100	9.10	0.12
MT52 - 102K	1000	100	9.90	0.11