

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):

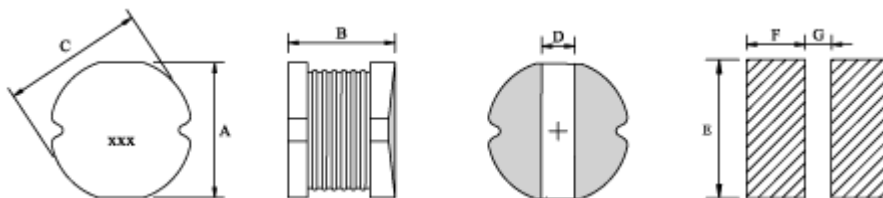
- ◆ Operating Temperature: -30 to +80 -工作温度: -30 - +80
- ◆ Operating Frequency: Up to 1MHz -工作频率: 达到 1MHz
- ◆ Inductance Drop=10% typ. at IDC -电感下跌 10%加电流时
- ◆ Electrical Specifications at 20 -电气特性是在 20 条件下



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):

MT53 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
MT53 - 1R0M	1.0	7.96	0.03	4.50
MT53 - 1R2M	1.2	7.96	0.03	4.20
MT53 - 1R5M	1.5	7.96	0.03	4.10
MT53 - 1R8M	1.8	7.96	0.03	3.70
MT53 - 2R2M	2.2	7.96	0.03	3.50
MT53 - 2R7M	2.7	7.96	0.04	3.20
MT53 - 3R3M	3.3	7.96	0.05	2.80
MT53 - 3R9M	3.9	7.96	0.06	2.60
MT53 - 4R7M	4.7	7.96	0.07	2.50
MT53 - 5R6M	5.6	7.96	0.08	2.40
MT53 - 6R8M	6.8	7.96	0.09	2.20
MT53 - 8R2M	8.2	7.96	0.10	2.00
MT53 - 100K	10	2.52	0.12	1.80
MT53 - 120K	12	2.52	0.13	1.75
MT53 - 150K	15	2.52	0.15	1.70
MT53 - 180K	18	2.52	0.18	1.60
MT53 - 220K	22	2.52	0.22	1.50
MT53 - 270K	27	2.52	0.24	1.40
MT53 - 330K	33	2.52	0.30	1.10
MT53 - 390K	39	2.52	0.40	1.00
MT53 - 470K	47	2.52	0.43	0.90
MT53 - 560K	56	2.52	0.50	0.85
MT53 - 680K	68	2.52	0.60	0.80
MT53 - 820K	82	2.52	0.80	0.65
MT53 - 101K	100	1.0K	0.90	0.60
MT53 - 121K	120	1.0K	1.00	0.58
MT53 - 151K	150	1.0K	1.30	0.43
MT53 - 181K	180	1.0K	1.50	0.41
MT53 - 221K	220	1.0K	2.00	0.38
MT53 - 271K	270	1.0K	2.50	0.35
MT53 - 331K	330	1.0K	3.20	0.28
MT53 - 391K	390	1.0K	3.50	0.26
MT53 - 471K	470	1.0K	4.20	0.20
MT53 - 561K	560	1.0K	4.50	0.19
MT53 - 681K	680	1.0K	6.00	0.18
MT53 - 821K	820	1.0K	6.50	0.15
MT53 - 102K	1000	1.0K	8.00	0.13