

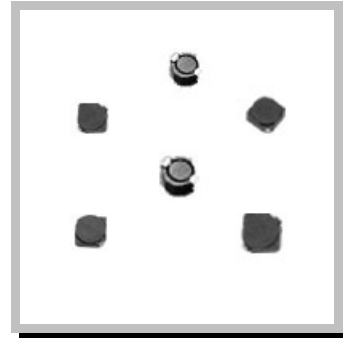
MTRC SERIES -(MTRC2D09/2D11/2D14/2D18LD/3D14/3D16/3D16LD/3D28LD/4D11/4D14)

FEATURES(特性):

- ◆ Compact and low profile -轻薄微小设计
- ◆ Magnetic shielded low DC resistance high current rating
-具有磁屏蔽，低阻抗，高电流特性

APPLICATIONS(应用):

- ◆ DC/DC converters for Portable equipments (MP3, Mpeg4), AV equipments (DVCs, LCD TV, Digital cameras), Mobile computers (PDAs, Notebook), Small size communication equipments (Mobile phone) etc.. -便携设备的直流转换器 (MP3, Mpeg4), AV机 (DVC, 液晶电视, 数码相机), 移动电脑 (PDA, 笔记本电脑), 小型通信设备 (手机) 等



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=35% typ. at IDC -电感下跌 35%加电流时
- ◆ Electrical Specifications at 20 -电气特性是在 20 条件下

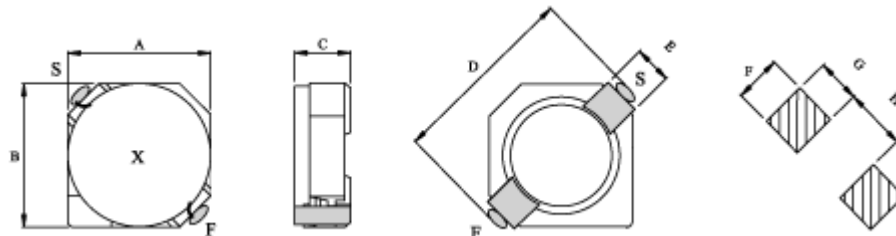
ORDERING CODE(编号识别):

MTRC 2D18 - 330 N

(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
K±10%, L±15%, M±20%, N±30%

SHAPE AND DIMENSIONS(外形尺寸):



Unit: mm

TYPE 类型	L Range (μH) 电感范围	A max	B max	C max	D max	E	F	G	H
MTRC2D09	1.2 --- 10.0	3.2	3.2	1.0	4.5	1.0	1.3	1.3	1.7
MTRC2D11	1.5 --- 10.0	3.2	3.2	1.2	4.5	1.0	1.3	1.3	1.7
MTRC2D14	1.5 --- 12.0	3.2	3.2	1.55	4.5	1.0	1.3	1.3	1.7
MTRHC2D18LD	2.2 --- 47.0	3.2	3.2	2.0	4.5	1.0	1.3	1.3	1.7
MTRC3D14	1.2 --- 22.0	4.0	4.0	1.5	5.2	1.1	1.5	1.4	2.4
MTRC3D16	1.5 --- 33.0	4.0	4.0	1.8	5.2	1.1	1.5	1.4	2.4
MTRC3D16LD	3.3 --- 47.0	4.0	4.0	1.8	5.2	1.1	1.5	1.4	2.4
MTRC3D28LD	10.0 --- 220	4.0	4.0	3.0	5.2	1.1	1.5	1.4	2.4
MTRC4D11	3.3 --- 33.0	4.8	4.8	1.2	6.0	1.2	1.6	1.5	2.9
MTRC4D14	2.2 --- 68.0	4.8	4.8	1.5	6.0	1.2	1.6	1.5	2.9

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

6 . ELECTRICAL CHARACTERISTICS(电气特性):

MTRC2D09 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
MTRC2D09 - 1R2N	1.2	100	0.098	0.80
MTRC2D09 - 1R5N	1.5	100	0.110	0.73
MTRC2D09 - 1R8N	1.8	100	0.132	0.65
MTRC2D09 - 2R2N	2.2	100	0.144	0.60
MTRC2D09 - 2R5N	2.5	100	0.150	0.53
MTRC2D09 - 3R0N	3.0	100	0.194	0.47
MTRC2D09 - 3R9N	3.9	100	0.225	0.45
MTRC2D09 - 4R7N	4.7	100	0.288	0.41
MTRC2D09 - 5R6N	5.6	100	0.325	0.37
MTRC2D09 - 6R8N	6.8	100	0.425	0.33
MTRC2D09 - 8R2N	8.2	100	0.475	0.30
MTRC2D09 - 100N	10.0	100	0.538	0.28

MTRC2D11 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
MTRC2D11 - 1R5N	1.5	100	0.068	0.90
MTRC2D11 - 2R2N	2.2	100	0.098	0.78
MTRC2D11 - 3R3N	3.3	100	0.123	0.60
MTRC2D11 - 4R7N	4.7	100	0.170	0.50
MTRC2D11 - 6R8N	6.8	100	0.260	0.44
MTRC2D11 - 100N	10	100	0.400	0.35

6 . ELECTRICAL CHARACTERISTICS(电气特性):

MTRC2D14 Series				
Part Number	Inductance	Test Freq.	DCR (Ω)	IDC (A)
型号	(μ H) 电感值 (L)	(KHz) 测试频率	(max) 直流电阻	(max) 额定电流
MTRC2D14 - 1R5N	1.5	100	0.063	1.80
MTRC2D14 - 1R8N	1.8	100	0.075	1.65
MTRC2D14 - 2R2N	2.2	100	0.094	1.50
MTRC2D14 - 2R7N	2.7	100	0.106	1.35
MTRC2D14 - 3R3N	3.3	100	0.125	1.20
MTRC2D14 - 3R9N	3.9	100	0.138	1.10
MTRC2D14 - 4R7N	4.7	100	0.169	1.00
MTRC2D14 - 5R6N	5.6	100	0.188	0.95
MTRC2D14 - 6R8N	6.8	100	0.213	0.85
MTRC2D14 - 8R2N	8.2	100	0.281	0.80
MTRC2D14 - 100N	10	100	0.294	0.70
MTRC2D14 - 120N	12	100	0.394	0.62

MTRC2D18LD Series				
Part Number	Inductance	Test Freq.	DCR (Ω)	IDC (A)
型号	(μ H) 电感值 (L)	(KHz) 测试频率	(max) 直流电阻	(max) 额定电流
MTRC2D18LD - 2R2N	2.2	100	0.041	0.85
MTRC2D18LD - 3R3N	3.3	100	0.054	0.75
MTRC2D18LD - 4R7N	4.7	100	0.078	0.63
MTRC2D18LD - 6R8N	6.8	100	0.106	0.52
MTRC2D18LD - 100N	10	100	0.180	0.43
MTRC2D18LD - 150N	15	100	0.22	0.35
MTRC2D18LD - 220N	22	100	0.32	0.30
MTRC2D18LD - 330N	33	100	0.46	0.24
MTRC2D18LD - 470N	47	100	0.66	0.20

6 . ELECTRICAL CHARACTERISTICS(电气特性):

MTRC3D14 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
MTRC3D14 - 1R2N	1.2	100	0.045	2.15
MTRC3D14 - 1R7N	1.7	100	0.063	1.85
MTRC3D14 - 2R2N	2.2	100	0.069	1.60
MTRC3D14 - 2R7N	2.7	100	0.088	1.45
MTRC3D14 - 3R3N	3.3	100	0.100	1.35
MTRC3D14 - 3R9N	3.9	100	0.135	1.15
MTRC3D14 - 4R7N	4.7	100	0.150	1.10
MTRC3D14 - 8R2N	8.2	100	0.238	0.82
MTRC3D14 - 100N	10	100	0.262	0.75
MTRC3D14 - 120N	12	100	0.350	0.67
MTRC3D14 - 150N	15	100	0.488	0.60
MTRC3D14 - 220N	22	100	0.575	0.52

MTRC3D16 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
MTRC3D16 - 1R5N	1.5	100	0.052	1.55
MTRC3D16 - 2R2N	2.2	100	0.072	1.20
MTRC3D16 - 3R3N	3.3	100	0.085	1.10
MTRC3D16 - 4R7N	4.7	100	0.105	0.90
MTRC3D16 - 6R8N	6.8	100	0.170	0.73
MTRC3D16 - 100N	10	100	0.210	0.55
MTRC3D16 - 150N	15	100	0.295	0.45
MTRC3D16 - 220N	22	100	0.430	0.40
MTRC3D16 - 330N	33	100	0.675	0.32

6 . ELECTRICAL CHARACTERISTICS(电气特性):

MTRC3D16LD Series				
Part Number 型号	Inductance (μ H) 电感值 (L)	Test Freq. (KHz) 测试频率	DCR (Ω) (max) 直流电阻	IDC (A) (max) 额定电流
MTRC3D16LD - 3R3N	3.3	100	0.066	0.80
MTRC3D16LD - 3R9N	3.9	100	0.081	0.75
MTRC3D16LD - 4R7N	4.7	100	0.091	0.68
MTRC3D16LD - 5R6N	5.6	100	0.102	0.62
MTRC3D16LD - 6R8N	6.8	100	0.130	0.58
MTRC3D16LD - 8R2N	8.2	100	0.140	0.51
MTRC3D16LD - 100N	10	100	0.190	0.46
MTRC3D16LD - 120N	12	100	0.205	0.42
MTRC3D16LD - 150N	15	100	0.272	0.38
MTRC3D16LD - 180N	18	100	0.327	0.34
MTRC3D16LD - 220N	22	100	0.356	0.31
MTRC3D16LD - 270N	27	100	0.470	0.28
MTRC3D16LD - 330N	33	100	0.560	0.26
MTRC3D16LD - 390N	39	100	0.700	0.24
MTRC3D16LD - 470N	47	100	0.775	0.21

MTRC3D28LD Series				
Part Number 型号	Inductance (μ H) 电感值 (L)	Test Freq. (KHz) 测试频率	DCR (Ω) (max) 直流电阻	IDC (A) (max) 额定电流
MTRC3D28LD - 100N	10	100	0.095	0.50
MTRC3D28LD - 120N	12	100	0.100	0.45
MTRC3D28LD - 150N	15	100	0.115	0.40
MTRC3D28LD - 180N	18	100	0.125	0.35
MTRC3D28LD - 220N	22	100	0.145	0.33
MTRC3D28LD - 270N	27	100	0.175	0.29
MTRC3D28LD - 330N	33	100	0.215	0.28
MTRC3D28LD - 390N	39	100	0.225	0.25
MTRC3D28LD - 470N	47	100	0.305	0.23
MTRC3D28LD - 560N	56	100	0.325	0.20
MTRC3D28LD - 680N	68	100	0.470	0.185
MTRC3D28LD - 820N	82	100	0.540	0.172
MTRC3D28LD - 101M	100	100	0.610	0.160
MTRC3D28LD - 121M	120	100	0.755	0.136
MTRC3D28LD - 151M	150	100	0.880	0.124
MTRC3D28LD - 181M	180	100	1.130	0.119
MTRC3D28LD - 221M	220	100	1.270	0.116

6 . ELECTRICAL CHARACTERISTICS(电气特性):

MTRC4D11 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
MTRC4D11 - 3R3N	3.3	100	0.103	1.10
MTRC4D11 - 4R7N	4.7	100	0.135	0.96
MTRC4D11 - 6R8N	6.8	100	0.200	0.78
MTRC4D11 - 100N	10	100	0.280	0.65
MTRC4D11 - 150N	15	100	0.450	0.53
MTRC4D11 - 220N	22	100	0.680	0.44
MTRC4D11 - 330N	33	100	1.080	0.33

MTRC4D14 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
MTRC4D14 - 2R2N	2.2	100	0.048	1.60
MTRC4D14 - 3R3N	3.3	100	0.063	1.40
MTRC4D14 - 4R7N	4.7	100	0.090	1.10
MTRC4D14 - 6R8N	6.8	100	0.125	0.90
MTRC4D14 - 100N	10	100	0.185	0.73
MTRC4D14 - 150N	15	100	0.270	0.59
MTRC4D14 - 220N	22	100	0.400	0.50
MTRC4D14 - 330N	33	100	0.560	0.41
MTRC4D14 - 470N	47	100	0.780	0.35
MTRC4D14 - 680N	68	100	1.200	0.28