承认书

Specification

客户名称：
Customer Name：_____
（请填写贵司全名）

规格书编号：
Spicification NO：Spec-CMF Series Rev.01

客户品名：
Product P/N：_____
(请填写贵司物料品名）

华拓品名：
Manufacturer's P/N：_____
(请填写欲承认的华拓品名)

变更履历:
Revised record:

Rev.	Date	Changed Contents	Change reasons	Approved by
01	2013-12-10	New released		Buck
02	2015-6-10	新增 CMF1770 系列		Buck

客户承认栏（请签名并写明日期后回传）

Customer's Approval

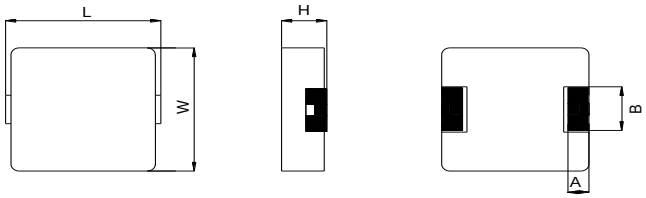
广州华拓电子科技有限公司

Confirmed	Checked	Prepared
Buck	Dana	Amy

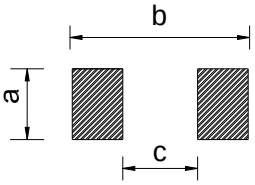
Type Name: CMF Series

Construction/磁气构造图

Dimensions/外形尺寸图(Unit:mm)



Land patterns/贴装尺寸



Shape and Size:(Dimensions are in mm)

Type Name/型名	L	W	H	A（Ref）	B（Ref）	a	b	c	QTY(MPQ) pcs/reel 最小包装数(个/盘)
CMF4220	4.6±0.4	4.2±0.3	2.0max.	0.8	2.0	2.5	5.4	2.4	3000
CMF5220	5.7±0.4	5.2±0.3	2.0max.	1.0	2.5	3.5	7.0	3.0	2000
CMF5230	5.7±0.4	5.2±0.3	3.0max.	1.0	2.5	3.5	7.0	3.0	2000
CMF6630	7.25±0.4	6.6±0.3	3.0max.	1.5	3.0	3.5	8.5	4.0	1000
CMF6640	7.25±0.4	6.6±0.3	4.0max.	1.5	3.0	3.5	8.5	4.0	1000
CMF6650	7.25±0.4	6.6±0.3	5.0max.	1.5	3.0	3.5	8.5	4.0	1000
CMF8030	8.8±0.4	8.0 ±0.4	3.0max.	1.8	3.0	3.8	10.0	4.5	1000
CMF8050	8.8±0.4	8.0 ±0.4	5.0max.	1.8	3.0	3.8	10.0	4.5	1000
CMF1030	10.9±0.5	10.0 ±0.3	3.0max.	2.0	3.0	4.0	13.5	5.5	800
CMF1040	10.9±0.5	10.0 ±0.3	4.0max	2.0	3.0	4.0	13.5	5.5	500
CMF1050	10.9±0.5	10.0±0.3	5.0max	2.0	3.0	4.0	13.5	5.5	500
CMF1330	13.5±0.6	12.8±0.5	3.0max.	2.0	5.0	6.0	14.5	8.0	600
CMF1350	13.5±0.6	12.8±0.5	5.0max.	2.0	5.0	6.0	14.5	8.0	500
CMF1360	13.5±0.6	12.8±0.5	6.0max.	2.0	5.0	6.0	14.5	8.0	500
CMF1370	13.5±0.6	12.8±0.5	7.0max.	2.0	5.0	6.0	14.5	8.0	400
CMF1770	17.5±0.6	16.8±0.5	7.0max.	2.5	11.94	12	18	10.0	300

Product Identification/品名注释

C M F 6630 - 100 M C

(1) (2) (3) (4) (5) (6) (7)

(1) SMD/表面安装制品

(2) Molding Type/一体成型

(3) Dust Core（Ferrite）/铁粉芯磁芯

(4) Dimension symbol/尺寸表示:

6630＝6.6 X3.0 mm (W X H)

(5) Inductance value/电感值:

4R7= 4.7uH,100=10uH,101=100uH

(6) Tolerance/公差: N=±30% ,M=±20%

(7) Packing Style/包装形态:C=Carrier taping/载带包装

CMF4220 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF4220-R22MC	0.22±20%	6.6	12	9.0
CMF4220-R47MC	0.47±20%	14	10	7.0
CMF4220-R56MC	0.56±20%	16	8.5	6.5
CMF4220-R68MC	0.68±20%	21	7.5	5.2
CMF4220-1R0MC	1.0±20%	27	6.5	4.5
CMF4220-1R5MC	1.5±20%	48	5.5	4.0
CMF4220-2R2MC	2.2±20%	70	4.6	3.0
CMF4220-3R3MC	3.3±20%	87	3.8	2.5
CMF4220-4R7MC	4.7±20%	120	2.8	2.2
CMF4220-6R8MC	6.8±20%	178	2.0	2.0
CMF4220-100MC	10±20%	282	1.7	1.6
CMF4220-150MC	15±20%	420	1.2	0.8
CMF4220-220MC	22±20%	600	1.0	0.6

CMF5220 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF5220-R10NC	0.10±30%	3.0	23	21
CMF5220-R22MC	0.22±20%	4.5	12	17
CMF5220-R33MC	0.33±20%	6.0	7.5	13
CMF5220-R47MC	0.47±20%	7.8	7.5	12.5
CMF5220-1R0MC	1.0±20%	18.5	7.0	7.5
CMF5220-2R2MC	2.2±20%	39	5.2	5.0
CMF5220-3R3MC	3.3±20%	59	4.5	4.1
CMF5220-4R7MC	4.7±20%	83	3.0	3.2
CMF5220-5R6MC	5.6±20%	94	2.2	3.0
CMF5220-100MC	10±20%	188	2.0	2.2
CMF5220-150MC	15±20%	250	1.5	1.1
CMF5220-220MC	22±20%	380	1.2	1.0

CMF5230 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF5230-R68MC	0.68±20%	12.5	13	8.5
CMF5230-1R0MC	1.0±20%	14.5	11	7.0
CMF5230-1R2MC	1.2±20%	16.5	10.6	6.5
CMF5230-1R5MC	1.5±20%	25	9.6	6.0
CMF5230-2R2MC	2.2±20%	35	8.5	5.5
CMF5230-3R3MC	3.3±20%	38	6.8	5.0
CMF5230-4R7MC	4.7±20%	60	4.8	3.0
CMF5230-6R8MC	6.8±20%	100	4.2	2.5
CMF5230-100MC	10±20%	140	3.0	1.5
CMF5230-150MC	15±20%	200	2.2	1.2
CMF5230-220MC	22±20%	280	2.0	1.1
CMF5230-330MC	33±20%	350	1.8	1.0

CMF6630 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF6630-R10NC	0.10±30%	2.2	50	30
CMF6630-R22MC	0.22±20%	3.2	35	20
CMF6630-R33MC	0.33±20%	4.5	25	16
CMF6630-R47MC	0.47±20%	5.5	24	14
CMF6630-R56MC	0.56±20%	6.0	23	13.5
CMF6630-R68MC	0.68±20%	6.5	22	13
CMF6630-R82MC	0.82±20%	8.5	21	12
CMF6630-1R0MC	1.0±20%	10	20	11
CMF6630-1R5MC	1.5±20%	15	18	9.5
CMF6630-2R2MC	2.2±20%	20	13	8.0
CMF6630-3R3MC	3.3±20%	35	12	6.0
CMF6630-4R7MC	4.7±20%	40	9.0	5.5
CMF6630-5R6MC	5.6±20%	55	8.5	4.8
CMF6630-6R8MC	6.8±20%	60	8.0	4.5
CMF6630-8R2MC	8.2±20%	66	6.0	4.2
CMF6630-100MC	10±20%	70	5.5	4.0
CMF6630-150MC	15±20%	125	5.0	3.0
CMF6630-220MC	22±20%	150	3.2	2.8
CMF6630-330MC	33±20%	280	3.0	2.0
CMF6630-470MC	47±20%	400	2.0	1.0

CMF6640 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF6640-R47MC	0.47±20%	3.0	23	22
CMF6640-R56MC	0.56±20%	3.8	19	18
CMF6640-R68MC	0.68±20%	4.3	18	13
CMF6640-1R0MC	1.0±20%	7.0	16	12
CMF6640-1R5MC	1.5±20%	14	15	10
CMF6640-2R2MC	2.2±20%	18	14	8.5
CMF6640-3R3MC	3.3±20%	23	9.0	7.0
CMF6640-4R7MC	4.7±20%	35	7.5	6.0
CMF6640-6R8MC	6.8±20%	45	7.0	4.0
CMF6640-8R2MC	8.2±20%	55	6.5	3.5
CMF6640-100MC	10±20%	70	6.0	3.0
CMF6640-150MC	15±20%	80	5.0	2.5
CMF6640-220MC	22±20%	92	4.0	2.0
CMF6640-330MC	33±20%	250	3.0	1.5
CMF6640-470MC	47±20%	380	2.2	1.1
CMF6640-680MC	68±20%	550	1.2	0.6

CMF6650 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④

CMF6650-R10NC	0.10±30%	1.1	46	43
CMF6650-R22MC	0.22±20%	1.3	33	30
CMF6650-R36MC	0.36±20%	3.1	25	21
CMF6650-R56MC	0.56±20%	3.8	18	17
CMF6650-R68MC	0.68±20%	4.3	17	16
CMF6650-R82MC	0.82±20%	5.1	16	15.5
CMF6650-1R0MC	1.0±20%	6.6	14	13
CMF6650-1R2MC	1.2±20%	7.5	13	12
CMF6650-1R5MC	1.5±20%	7.5	12	11
CMF6650-2R2MC	2.2±20%	12.5	11	8
CMF6650-3R3MC	3.3±20%	21	8.5	7
CMF6650-4R7MC	4.7±20%	26	7.5	6.5
CMF6650-5R6MC	5.6±20%	35	6.5	6.0
CMF6650-6R8MC	6.8±20%	41	5.8	5.5
CMF6650-8R2MC	8.2±20%	44	5.2	5.0
CMF6650-100MC	10±20%	55	4.8	4.5
CMF6650-150MC	15±20%	65	4.5	3.0
CMF6650-220MC	22±20%	92	4.2	2.5
CMF6650-330MC	33±20%	190	3.5	2.0
CMF6650-470MC	47±20%	240	3.0	1.7
CMF6650-680MC	68±20%	350	2.5	1.5

CMF8030 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF8030-1R0MC	1.0±20%	6.6	14	13
CMF8030-1R5MC	1.5±20%	7.5	12	11
CMF8030-2R2MC	2.2±20%	12.5	11	8.0
CMF8030-3R3MC	3.3±20%	21	8.5	7.0
CMF8030-4R7MC	4.7±20%	26	7.5	6.5
CMF8030-6R8MC	6.8±20%	41	5.8	5.5
CMF8030-8R2MC	8.2±20%	44	5.2	5.0
CMF8030-100MC	10±20%	55	4.8	4.5
CMF8030-150MC	15±20%	65	4.5	3.0
CMF8030-220MC	22±20%	90	4.2	2.5
CMF8030-330MC	33±20%	190	3.5	2.0
CMF8030-470MC	47±20%	240	3.0	1.7
CMF8030-560MC	56±20%	320	2.2	1.5
CMF8030-680MC	68±20%	420	2.0	1.2
CMF8030-820MC	82±20%	500	1.6	1.0
CMF8030-101MC	100±20%	600	1.2	1.8

CMF8050 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF8050-1R0MC	1.0±20%	7.0	22	11
CMF8050-1R5MC	1.5±20%	12	18	9

CMF8050-2R2MC	2.2±20%	15	16	8.0
CMF8050-3R3MC	3.3±20%	20	15	7.0
CMF8050-4R7MC	4.7±20%	22	14	6.5
CMF8050-6R8MC	6.8±20%	25	8.0	6.0
CMF8050-8R2MC	8.2±20%	40	7.5	5.0
CMF8050-100MC	10±20%	45	7.0	4.5
CMF8050-150MC	15±20%	130	6.5	4.2
CMF8050-220MC	22±20%	150	6.0	4.0
CMF8050-330MC	33±20%	180	5.0	3.0
CMF8050-470MC	47±20%	220	4.0	2.5
CMF8050-560MC	56±20%	250	3.5	2.0
CMF8050-680MC	68±20%	300	3.0	1.5
CMF8050-820MC	82±20%	380	2.5	1.3
CMF8050-101MC	100±20%	430	2.0	1.2
CMF8050-121MC	120±20%	460	1.8	1.1
CMF8050-151MC	150±20%	500	1.5	1.0
CMF8050-181MC	180±20%	600	1.2	0.8
CMF8050-221MC	220±20%	750	1.0	0.6

CMF1030 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF1030-R33MC	0.33±20%	1.6	30	23
CMF1030-R36MC	0.36±20%	1.6	27	23
CMF1030-R47MC	0.47±20%	2.5	25	23
CMF1030-R56MC	0.56±20%	3.0	24	22
CMF1030-R68MC	0.68±20%	3.4	22	21
CMF1030-1R0MC	1.0±20%	6.0	20	15
CMF1030-1R5MC	1.5±20%	7.5	19	13.5
CMF1030-2R2MC	2.2±20%	9.0	15	13
CMF1030-3R3MC	3.3±20%	16	13	9.0
CMF1030-4R7MC	4.7±20%	22.5	12	7.0
CMF1030-8R2MC	8.2±20%	45	8.0	5.0
CMF1030-100MC	10±20%	55	7.0	5.0
CMF1030-150MC	15±20%	65	5.8	4.0
CMF1030-220MC	22±20%	99	4.8	3.0

CMF1040 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF1040-R36MC	0.36±20%	1.3	48	30
CMF1040-R45MC	0.45±20%	1.6	38	29
CMF1040-R56MC	0.56±20%	1.8	32	25
CMF1040-1R0MC	1.0±20%	3.3	26	18
CMF1040-1R5MC	1.5±20%	4.2	23	16
CMF1040-2R0MC	2.0±20%	5.8	19	14
CMF1040-2R2MC	2.2±20%	7.0	17	12

CMF1040-3R3MC	3.3±20%	12	15	10
CMF1040-4R7MC	4.7±20%	20	14	8.5
CMF1040-5R6MC	5.6±20%	23	13	8.0
CMF1040-6R8MC	6.8±20%	25	11.5	7.0
CMF1040-8R2MC	8.2±20%	27	8.5	6.5
CMF1040-100MC	10±20%	30	8.0	6.5
CMF1040-150MC	15±20%	45	6.5	6.25
CMF1040-220MC	22±20%	66	5.2	5.0
CMF1040-330MC	33±20%	92	4.2	4.0
CMF1040-470MC	47±20%	145	3.5	3.3
CMF1040-560MC	56±20%	185	3.2	3.0
CMF1040-680MC	68±20%	225	2.8	2.6
CMF1040-820MC	82±20%	300	2.2	1.5
CMF1040-101MC	100±20%	400	1.8	0.8

CMF1050Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF1050-1R0MC	1.0±20%	3.5	25	15
CMF1050-1R5MC	1.5±20%	5.5	26	14
CMF1050-2R2MC	2.2±20%	10	20	12
CMF1050-3R3MC	3.3±20%	12	18	10
CMF1050-4R7MC	4.7±20%	18	16	8.0
CMF1050-5R6MC	5.6±20%	22	14	7.5
CMF1050-6R8MC	6.8±20%	25	12	6.5
CMF1050-100MC	10±20%	28	11	6.0
CMF1050-220MC	22±20%	32	10	5.0
CMF1050-470MC	47±20%	60	8.5	4.5
CMF1050-560MC	56±20%	70	7.0	4.0
CMF1050-680MC	68±20%	105	6.0	3.0
CMF1050-820MC	82±20%	150	5.0	3.0
CMF1050-101MC	100±20%	200	3.0	1.5
CMF1050-121MC	120±20%	400	1.8	0.8
CMF1050-151MC	150±20%	500	1.5	0.7

CMF1330 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF1330-R22MC	0.22±20%	1.5	33	60
CMF1330-R33MC	0.33±20%	1.8	32	58
CMF1330-R39MC	0.39±20%	2.0	30	52
CMF1330-R47MC	0.47±20%	2.2	28	50
CMF1330-R56MC	0.56±20%	2.5	26	45
CMF1330-R68MC	0.68±20%	3.0	24	44
CMF1330-R82MC	0.82±20%	3.5	22	40
CMF1330-1R0MC	1.0±20%	4.0	20	35
CMF1330-1R5MC	1.5±20%	6.0	17	30

CMF1330-2R2MC	2.2±20%	8.5	14	25
CMF1330-3R3MC	3.3±20%	13	10	23
CMF1330-4R7MC	4.7±20%	20	8	20

CMF1350 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF1350-R15MC	0.15±20%	0.5	56	45
CMF1350-R36MC	0.36±20%	1.0	52	41
CMF1350-R47MC	0.47±20%	1.2	48	38
CMF1350-R56MC	0.56±20%	1.5	44	36
CMF1350-R68MC	0.68±20%	1.6	38	34
CMF1350-R82MC	0.82±20%	1.9	33	31
CMF1350-1R0MC	1.0±20%	2.2	28	26
CMF1350-1R5MC	1.5±20%	3.5	25	23
CMF1350-2R2MC	2.2±20%	5.0	22	15
CMF1350-3R3MC	3.3±20%	7.0	20	14
CMF1350-100MC	10±20%	22	11	9.0
CMF1350-220MC	22±20%	58	6.2	4.5
CMF1350-270MC	27±20%	66	6.0	4.0
CMF1350-330MC	33±20%	84	5.8	3.5
CMF1350-470MC	47±20%	130	4.8	3.0
CMF1350-680MC	68±20%	180	4.2	2.5
CMF1350-820MC	82±20%	250	3.5	2.2
CMF1350-101MC	100±20%	300	3.0	2.0
CMF1350-121MC	120±20%	350	2.5	1.8
CMF1350-151MC	150±20%	450	2.0	1.6
CMF1350-181MC	180±20%	550	1.8	1.2
CMF1350-221MC	220±20%	700	1.5	1.0

CMF1360 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF1360-4R7MC	4.7±20%	10	17	13.5
CMF1360-6R8MC	6.8±20%	12	14	12
CMF1360-8R2MC	8.2±20%	16	13	11
CMF1360-100MC	10±20%	20.7	12	10
CMF1360-120MC	12±20%	23	9.5	7.0
CMF1360-150MC	15±20%	29	8.5	6.0
CMF1360-220MC	22±20%	39.5	7.0	5.0
CMF1360-270MC	27±20%	56	6.0	4.5
CMF1360-330MC	33±20%	75	5.8	4.0
CMF1360-470MC	47±20%	90	5.2	3.5
CMF1360-680MC	68±20%	140	4.8	3.0
CMF1360-101MC	100±20%	200	3.2	2.5
CMF1360-121MC	120±20%	235	3.0	2.3
CMF1360-151MC	150±20%	350	2.5	2.0

CMF1370 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF1370-R47MC	0.47±20%	1.3	60	41
CMF1370-R68MC	0.68±20%	1.7	58	35
CMF1370-1R0MC	1.0±20%	2.2	47	32
CMF1370-1R5MC	1.5±20%	3.0	41	23
CMF1370-2R2MC	2.2±20%	4.2	40	22
CMF1370-3R3MC	3.3±20%	6.8	34	18
CMF1370-4R7MC	4.7±20%	12	28	13.5
CMF1370-6R8MC	6.8±20%	14	16	11.5
CMF1370-8R2MC	8.2±20%	16	15	10.5
CMF1370-100MC	10±20%	18	14	10
CMF1370-220MC	22±20%	40	8.0	5.0
CMF1370-330MC	33±20%	75	6.0	4.0
CMF1370-470MC	47±20%	90	5.3	3.5
CMF1370-680MC	68±20%	140	5.0	3.0
CMF1370-101MC	100±20%	200	3.5	2.5
CMF1370-151MC	150±20%	320	3.0	2.2
CMF1370-181MC	180±20%	400	2.5	2.0
CMF1370-221MC	220±20%	600	2.0	1.5

CMF1770 Electrical Characteristics

Part Number	Inductance (uH) ①	DCR max. (mΩ) ②	Saturation Current (A) ③	Temperature Rise Current(A) ④
CMF1770-1R5MC	1.5±20%	3.0	40	22
CMF1770-2R2MC	2.2±20%	4.0	35	18
CMF1770-3R3MC	3.3±20%	5.0	30	17
CMF1770-4R7MC	4.7±20%	6.0	26	15
CMF1770-6R8MC	6.8±20%	8.0	24	13
CMF1770-8R2MC	8.2±20%	10	20	12
CMF1770-100MC	10±20%	12	18	10
CMF1770-150MC	15±20%	25	16	9.0
CMF1770-220MC	22±20%	35	14	7.0
CMF1770-330MC	33±20%	45	12	6.0
CMF1770-470MC	47±20%	55	10	5.0
CMF1770-680MC	68±20%	85	9.5	4.5
CMF1770-820MC	82±20%	100	8.0	4.2
CMF1770-101MC	100±20%	120	7.0	4.0
CMF1770-151MC	150±20%	180	6.0	3.5
CMF1770-221MC	220±20%	320	5.0	3.0
CMF1770-331MC	330±20%	455	4.0	2.5
CMF1770-471MC	470±20%	580	3.5	2.0

① Inductance tested at 100 kHz, 1 Vrms using an Agilent/HP 4192A or equivalent.

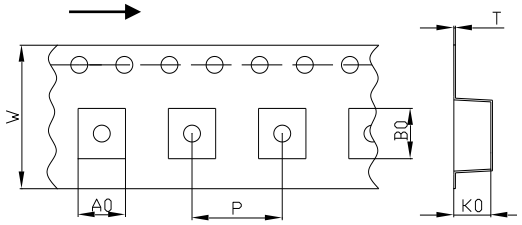
② DCR measured on a micro-ohmmeter.

③ Saturation current: The DC current at which the inductance decreases by approximately 35% of it's initial value.

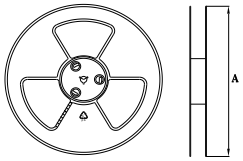
④ Temperature rise current:The DC current at which the temperature rise is $\Delta t = 40°C$(approximately). ($Ta = 20°C$)

Packing:Dimensions for embossed tape and reel&catron packing with packed Qty/包装载带、胶盘和外箱包装数量

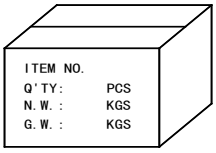
The force for tearing off cover tape is 10 to 130 grams in arrow direction.



REEL



BOX

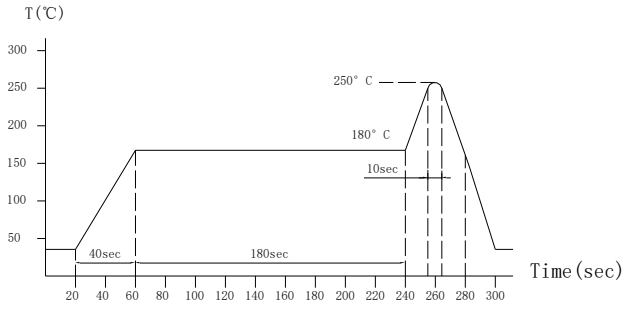


Type	DIMENSIONS（mm）/尺寸							QTY(PCS/REEL) 每卷产品数量
	A	W	P	A0	B0	K0	T	
CMF4220	178	12	12	4.8	5.3	2.2	0.35	3000
CMF5220	330	12	12	5.8	6.3	2.2	0.35	2000
CMF5230	330	12	12	5.8	6.3	3.3	0.35	2000
CMF6630	330	16	12	7.2	8.0	3.3	0.40	1000
CMF6640	330	16	12	7.2	8.0	4.3	0.40	1000
CMF6650	330	16	12	7.2	8.0	5.3	0.40	1000
CMF8030	330	24	12	8.3	9.1	3.3	0.40	1000
CMF8050	330	24	12	8.3	9.1	5.3	0.40	1000
CMF1030	330	24	16	10.6	12.0	3.3	0.40	800
CMF1040	330	24	16	10.6	12.0	4.3	0.40	500
CMF1050	330	24	16	10.6	12.0	5.3	0.40	500
CMF1330	330	24	16	13.5	15.0	3.3	0.45	600
CMF1350	330	24	20	13.5	15.0	5.3	0.45	500
CMF1360	330	24	20	13.5	15.0	6.3	0.45	500
CMF1370	330	24	20	13.5	15.0	7.3	0.45	400
CMF1770	330	32	24	17.5	18.5	7.3	0.50	300

General Characteristics

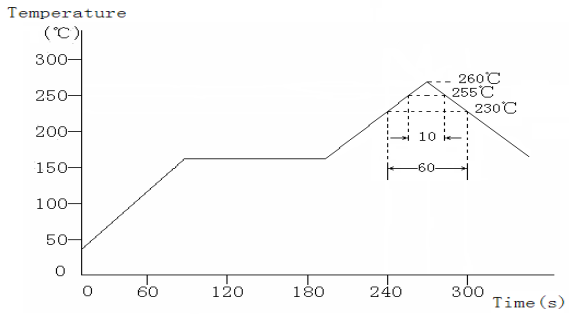
Operation Temperature /使用温度范围	-40～+105℃(Includes temperature when the coil is heated.)/-40～+105℃(包含线圈发热)
External Appearance/外观	On visual inspection, the coil has no external defects./目视检查时,外观没有明显的缺陷.
Terminal Strength/端子强度	After soldering between copper plate and electrode. sample is pushed in three directions of X,Y and Z with force of 5N for 10±5 seconds. the terminal should not peel off. /将线圈的端子焊接在基板上,分别在 X,Y,Z 3 个方向施加 5N,时间 10±5 秒,无电极剥离和断线.
Insulating Resistance /绝缘电阻	Over 100MΩ at 100V D.C. between coil and core./线圈和磁芯间加上 100V 直流电压,绝缘电阻 100MΩ 以上.
Dielectric Strength/耐电压	No dielectric breakdown at 100V D.C. for 1 minute between coil and core. /线圈和磁芯间加上 100V 直流电压 1 分钟时间后,无绝缘破坏不良出现.
Temperature Characteristics /温度特性	Inductance coefficient(0～2,000)×10^{-6}/℃(-25～+85℃)/电感温度系数(0～2,000)×10^{-6}/℃(-25～+85℃)
Humidity Characteristics /耐湿度特性	Inductance deviation within ±10%,after 96 hours in 90～95% relative humidity at 40±2℃ and 1 hour drying under normal condition./温度在 40±2℃,相对湿度在 90～95%条件下存放 96 小时后取出,用干布擦干.然后在常温常湿中放置 1 小时,电感变化率±10%以内.
Thermal shock test /冷热冲击特性	Inductance deviation within ±10%,after 20 cycles of +105℃ for 30 minutes, -40℃ for 30 minutes. Characteristics are measured after the ambient air exposure of 1 hour./-40℃放置 30 分钟后转换为+105℃放置 30 分钟,20 次循环,然后在常温常湿中放置 1 小时,电感变化率±10%以内.
High temperature storage test /高温保存测试	Inductance deviation within ±10%,after 96 hours in 105℃±2℃ characteristics are measured after ambient are exposure of 1 hour. / +105℃放置 96 小时,然后在常温常湿中放置 1 小时,电感变化率±10%以内.
Low temperature storage test /低温保存测试	Inductance deviation within ±10%,after 96 hours in -40℃±2℃ characteristics are measured after ambient are exposure of 1 hour. / -40℃放置 96 小时,然后在常温常湿中放置 1 小时,电感变化率±10%以内.

Recommended Reflow Conditions（Lead-free）/推荐回流焊条件（无铅）



The reflow condition recommended above is according to the machine used by our company. Big differences will arise s a result of the type ofmachine, reflow conditions, method, etc used. Hence, before setting upyour reflow conditions, please confirm with the above./上面推荐的回流焊试验条件是根据本公司的回流焊设备测试结果得到. 不同的试验设备、试验条件和试验方法及试验结果不同. 因此回流焊试验条件的设定需要仔细地确认.

Reflow Soldering Heat Endurance /回流焊耐热



No mechanical and electrical defects are found after testing based on the above profile and keeping under the conditions of room temperature and humidity for 2 hours. /在该条件下进行回流焊，常温常湿条件下放置 2 个小时后，无机械，电气特性缺陷发生。

Twice reflow test is acceptable with the test interval remaining 1 hour under the normal conditions.

/在常温常湿条件下，间隔 1 个小时可进行两次回流焊。

The reflow test profile may vary with the testing instruments.

/回流焊曲线图会因设备的不同有所差异。