

0603 1%以下 type 3 字碼表示規格表(3 digits Marking Specification sheet for 0603 $\leq 1\%$ type)

1. 適用型別(Type)：0603 type
2. 適用電性公差：(Res. tolerance)： $\leq 1\%$
3. 阻值範圍 (R-value limit)：1R~10MR for E24 & E96 series
4. 字碼數 (Nr.of MK)：3 碼(significant digits)
5. 不在 E24& E96 系列中之阻值不印字碼 (There are no marking for the items are not under E24 and E96 series)
6. E24 series Marking：

6.1. E24 系列，同 0603 5% 之字碼表示，前二碼是基數，第三碼是指數。
(The marking for E24 series is two significant digits followed by no. of zeros and a blank, just like 0603 5% type)

Ex：1R20=1R2 12R0=12x10⁰=120 120R=12x10¹=121 1K20=12x10²=122
 12K0=12x10³=123 120K=12x10⁴=124 1M20=12x10⁵=125 12M0=12x10⁶=126

6.2. E24 系列中與 E96 系列重複之值以 E96 系列之代碼為準。(Repeat value between E24 and E96 series, the marking are base on the E96 series table)
 重複值於下列表中以刪除線標示 (Repeat value are labeled by delete line on below E24 series table)

6.3. 數學符號 (mathematics sign)：10⁰ = R、10³ = K、10⁶ = M

6.4. E24 series standard Res list:

Item	R_value	Item	R_value	Item	R_value	Item	R_value	Item	R_value
1	400	6	160	11	270	16	430	21	680
2	440	7	180	12	300	17	470	22	750
3	120	8	200	13	330	18	510	23	820
4	430	9	220	14	360	19	560	24	910
5	450	10	240	15	390	20	620	-	-

7. E96 series Marking：

7.1. E96 系列，前二碼基數如其阻值對照之 CODE，而第三碼指數部份以 Y = 10⁻²，X = 10⁻¹，A = 10⁰，B = 10¹，C = 10²，D = 10³，E = 10⁴，F = 10⁵ 表示。
(The 1st two digit codes are referring to the CODE on the table, the 3rd code is the index of resistance value , Y = 10⁻²，X = 10⁻¹，A = 10⁰，B = 10¹，C = 10²，D = 10³，E = 10⁴，F = 10⁵)。

EX：1R78=25Y，17R8 = 25X，178R = 25A，1K78 = 25B，17K8 = 25C，178K = 25D，1M78 = 25E，17M8=25F

7.2. E96 series standard Res list:

CODE	R_value	CODE	R_value	CODE	R_value	CODE	R_value	CODE	R_value
01	100	21	162	41	261	61	422	81	681
02	102	22	165	42	267	62	432	82	698
03	105	23	169	43	274	63	442	83	715
04	107	24	174	44	280	64	453	84	732
05	110	25	178	45	287	65	464	85	750
06	113	26	182	46	294	66	475	86	768
07	115	27	187	47	301	67	487	87	787
08	118	28	191	48	309	68	499	88	806
09	121	29	196	49	316	69	511	89	825
10	124	30	200	50	324	70	523	90	845
11	127	31	205	51	332	71	536	91	866
12	130	32	210	52	340	72	549	92	887
13	133	33	215	53	348	73	562	93	909
14	137	34	221	54	357	74	576	94	931
15	140	35	226	55	365	75	590	95	953
16	143	36	232	56	374	76	604	96	976
17	147	37	237	57	383	77	619	-	-
18	150	38	243	58	392	78	634	-	-
19	154	39	249	59	402	79	649	-	-
20	158	40	255	60	412	80	665	-	-

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8. E24&E96 series 阻值與字碼對照表 (Res. and Marking contrast sheet) :

OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking
1R00	01Y	10R0	01X	100R	01A	1K00	01B	10K0	01C	100K	01D	1M00	01E	10M0	01F
1R02	02Y	10R2	02X	102R	02A	1K02	02B	10K2	02C	102K	02D	1M02	02E	10M2	02F
1R05	03Y	10R5	03X	105R	03A	1K05	03B	10K5	03C	105K	03D	1M05	03E	10M5	03F
1R07	04Y	10R7	04X	107R	04A	1K07	04B	10K7	04C	107K	04D	1M07	04E	10M7	04F
1R10	05Y	11R0	05X	110R	05A	1K10	05B	11K0	05C	110K	05D	1M10	05E	11M0	05F
1R13	06Y	11R3	06X	113R	06A	1K13	06B	11K3	06C	113K	06D	1M13	06E	11M3	06F
1R15	07Y	11R5	07X	115R	07A	1K15	07B	11K5	07C	115K	07D	1M15	07E	11M5	07F
1R18	08Y	11R8	08X	118R	08A	1K18	08B	11K8	08C	118K	08D	1M18	08E	11M8	08F
1R20	1R2	12R0	120	120R	121	1K20	122	12K0	123	120K	124	1M20	125	12M0	126
1R21	09Y	12R1	09X	121R	09A	1K21	09B	12K1	09C	121K	09D	1M21	09E	12M1	09F
1R24	10Y	12R4	10X	124R	10A	1K24	10B	12K4	10C	124K	10D	1M24	10E	12M4	10F
1R27	11Y	12R7	11X	127R	11A	1K27	11B	12K7	11C	127K	11D	1M27	11E	12M7	11F
1R30	12Y	13R0	12X	130R	12A	1K30	12B	13K0	12C	130K	12D	1M30	12E	13M0	12F
1R33	13Y	13R3	13X	133R	13A	1K33	13B	13K3	13C	133K	13D	1M33	13E	13M3	13F
1R37	14Y	13R7	14X	137R	14A	1K37	14B	13K7	14C	137K	14D	1M37	14E	13M7	14F
1R40	15Y	14R0	15X	140R	15A	1K40	15B	14K0	15C	140K	15D	1M40	15E	14M0	15F
1R43	16Y	14R3	16X	143R	16A	1K43	16B	14K3	16C	143K	16D	1M43	16E	14M3	16F
1R47	17Y	14R7	17X	147R	17A	1K47	17B	14K7	17C	147K	17D	1M47	17E	14M7	17F
1R50	18Y	15R0	18X	150R	18A	1K50	18B	15K0	18C	150K	18D	1M50	18E	15M0	18F
1R54	19Y	15R4	19X	154R	19A	1K54	19B	15K4	19C	154K	19D	1M54	19E	15M4	19F
1R58	20Y	15R8	20X	158R	20A	1K58	20B	15K8	20C	158K	20D	1M58	20E	15M8	20F
1R60	1R6	16R0	160	160R	161	1K60	162	16K0	163	160K	164	1M60	165	16M0	166
1R62	21Y	16R2	21X	162R	21A	1K62	21B	16K2	21C	162K	21D	1M62	21E	16M2	21F
1R65	22Y	16R5	22X	165R	22A	1K65	22B	16K5	22C	165K	22D	1M65	22E	16M5	22F
1R69	23Y	16R9	23X	169R	23A	1K69	23B	16K9	23C	169K	23D	1M69	23E	16M9	23F
1R74	24Y	17R4	24X	174R	24A	1K74	24B	17K4	24C	174K	24D	1M74	24E	17M4	24F
1R78	25Y	17R8	25X	178R	25A	1K78	25B	17K8	25C	178K	25D	1M78	25E	17M8	25F
1R80	1R8	18R0	180	180R	181	1K80	182	18K0	183	180K	184	1M80	185	18M0	186
1R82	26Y	18R2	26X	182R	26A	1K82	26B	18K2	26C	182K	26D	1M82	26E	18M2	26F
1R87	27Y	18R7	27X	187R	27A	1K87	27B	18K7	27C	187K	27D	1M87	27E	18M7	27F
1R91	28Y	19R1	28X	191R	28A	1K91	28B	19K1	28C	191K	28D	1M91	28E	19M1	28F
1R96	29Y	19R6	29X	196R	29A	1K96	29B	19K6	29C	196K	29D	1M96	29E	19M6	29F
2R00	30Y	20R0	30X	200R	30A	2K00	30B	20K0	30C	200K	30D	2M00	30E	20M0	30F
2R05	31Y	20R5	31X	205R	31A	2K05	31B	20K5	31C	205K	31D	2M05	31E	20M5	31F
2R10	32Y	21R0	32X	210R	32A	2K10	32B	21K0	32C	210K	32D	2M10	32E	21M0	32F
2R15	33Y	21R5	33X	215R	33A	2K15	33B	21K5	33C	215K	33D	2M15	33E	21M5	33F
2R20	2R2	22R0	220	220R	221	2K20	222	22K0	223	220K	224	2M20	225	22M0	226
2R21	34Y	22R1	34X	221R	34A	2K21	34B	22K1	34C	221K	34D	2M21	34E	22M1	34F
2R26	35Y	22R6	35X	226R	35A	2K26	35B	22K6	35C	226K	35D	2M26	35E	22M6	35F
2R32	36Y	23R2	36X	232R	36A	2K32	36B	23K2	36C	232K	36D	2M32	36E	23M2	36F
2R37	37Y	23R7	37X	237R	37A	2K37	37B	23K7	37C	237K	37D	2M37	37E	23M7	37F
2R40	2R4	24R0	240	240R	241	2K40	242	24K0	243	240K	244	2M40	245	24M0	246
2R43	38Y	24R3	38X	243R	38A	2K43	38B	24K3	38C	243K	38D	2M43	38E	24M3	38F
2R49	39Y	24R9	39X	249R	39A	2K49	39B	24K9	39C	249K	39D	2M49	39E	24M9	39F
2R55	40Y	25R5	40X	255R	40A	2K55	40B	25K5	40C	255K	40D	2M55	40E	25M5	40F
2R61	41Y	26R1	41X	261R	41A	2K61	41B	26K1	41C	261K	41D	2M61	41E	26M1	41F
2R67	42Y	26R7	42X	267R	42A	2K67	42B	26K7	42C	267K	42D	2M67	42E	26M7	42F
2R70	2R7	27R0	270	270R	271	2K70	272	27K0	273	270K	274	2M70	275	27M0	276

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2R74	43Y	27R4	43X	274R	43A	2K74	43B	27K4	43C	274K	43D	2M74	43E	27M4	43F
2R80	44Y	28R0	44X	280R	44A	2K80	44B	28K0	44C	280K	44D	2M80	44E	28M0	44F
2R87	45Y	28R7	45X	287R	45A	2K87	45B	28K7	45C	287K	45D	2M87	45E	28M7	45F
OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking
2R94	46Y	29R4	46X	294R	46A	2K94	46B	29K4	46C	294K	46D	2M94	46E	29M4	46F
3R00	3R0	30R0	300	300R	301	3K00	302	30K0	303	300K	304	3M00	305	30M0	306
3R01	47Y	30R1	47X	301R	47A	3K01	47B	30K1	47C	301K	47D	3M01	47E	30M1	47F
3R09	48Y	30R9	48X	309R	48A	3K09	48B	30K9	48C	309K	48D	3M09	48E	30M9	48F
3R16	49Y	31R6	49X	316R	49A	3K16	49B	31K6	49C	316K	49D	3M16	49E	31M6	49F
3R24	50Y	32R4	50X	324R	50A	3K24	50B	32K4	50C	324K	50D	3M24	50E	32M4	50F
3R30	3R3	33R0	330	330R	331	3K30	332	33K0	333	330K	334	3M30	335	33M0	336
3R32	51Y	33R2	51X	332R	51A	3K32	51B	33K2	51C	332K	51D	3M32	51E	33M2	51F
3R40	52Y	34R0	52X	340R	52A	3K40	52B	34K0	52C	340K	52D	3M40	52E	34M0	52F
3R48	53Y	34R8	53X	348R	53A	3K48	53B	34K8	53C	348K	53D	3M48	53E	34M8	53F
3R57	54Y	35R7	54X	357R	54A	3K57	54B	35K7	54C	357K	54D	3M57	54E	35M7	54F
3R60	3R6	36R0	360	360R	361	3K60	362	36K0	363	360K	364	3M60	365	36M0	366
3R65	55Y	36R5	55X	365R	55A	3K65	55B	36K5	55C	365K	55D	3M65	55E	36M5	55F
3R74	56Y	37R4	56X	374R	56A	3K74	56B	37K4	56C	374K	56D	3M74	56E	37M4	56F
3R83	57Y	38R3	57X	383R	57A	3K83	57B	38K3	57C	383K	57D	3M83	57E	38M3	57F
3R90	3R9	39R0	390	390R	391	3K90	392	39K0	393	390K	394	3M90	395	39M0	396
3R92	58Y	39R2	58X	392R	58A	3K92	58B	39K2	58C	392K	58D	3M92	58E	39M2	58F
4R02	59Y	40R2	59X	402R	59A	4K02	59B	40K2	59C	402K	59D	4M02	59E	40M2	59F
4R12	60Y	41R2	60X	412R	60A	4K12	60B	41K2	60C	412K	60D	4M12	60E	41M2	60F
4R22	61Y	42R2	61X	422R	61A	4K22	61B	42K2	61C	422K	61D	4M22	61E	42M2	61F
4R30	4R3	43R0	430	430R	431	4K30	432	43K0	433	430K	434	4M30	435	43M0	436
4R32	62Y	43R2	62X	432R	62A	4K32	62B	43K2	62C	432K	62D	4M32	62E	43M2	62F
4R42	63Y	44R2	63X	442R	63A	4K42	63B	44K2	63C	442K	63D	4M42	63E	44M2	63F
4R53	64Y	45R3	64X	453R	64A	4K53	64B	45K3	64C	453K	64D	4M53	64E	45M3	64F
4R64	65Y	46R4	65X	464R	65A	4K64	65B	46K4	65C	464K	65D	4M64	65E	46M4	65F
4R70	4R70	47R0	470	470R	471	4K70	472	47K0	473	470K	474	4M70	475	47M0	476
4R75	66Y	47R5	66X	475R	66A	4K75	66B	47K5	66C	475K	66D	4M75	66E	47M5	66F
4R87	67Y	48R7	67X	487R	67A	4K87	67B	48K7	67C	487K	67D	4M87	67E	48M7	67F
4R99	68Y	49R9	68X	499R	68A	4K99	68B	49K9	68C	499K	68D	4M99	68E	49M9	68F
5R10	5R1	51R0	510	510R	511	5K10	512	51K0	513	510K	514	5M10	515	51M0	516
5R11	69Y	51R1	69X	511R	69A	5K11	69B	51K1	69C	511K	69D	5M11	69E	51M1	69F
5R23	70Y	52R3	70X	523R	70A	5K23	70B	52K3	70C	523K	70D	5M23	70E	52M3	70F
5R36	71Y	53R6	71X	536R	71A	5K36	71B	53K6	71C	536K	71D	5M36	71E	53M6	71F
5R49	72Y	54R9	72X	549R	72A	5K49	72B	54K9	72C	549K	72D	5M49	72E	54M9	72F
5R60	5R6	56R0	560	560R	561	5K60	562	56K0	563	560K	564	5M60	565	56M0	566
5R62	73Y	56R2	73X	562R	73A	5K62	73B	56K2	73C	562K	73D	5M62	73E	56M2	73F
5R76	74Y	57R6	74X	576R	74A	5K76	74B	57K6	74C	576K	74D	5M76	74E	57M6	74F
5R90	75Y	59R0	75X	590R	75A	5K90	75B	59K0	75C	590K	75D	5M90	75E	59M0	75F
6R04	76Y	60R4	76X	604R	76A	6K04	76B	60K4	76C	604K	76D	6M04	76E	60M4	76F
6R19	77Y	61R9	77X	619R	77A	6K19	77B	61K9	77C	619K	77D	6M19	77E	61M9	77F
6R20	6R2	62R0	620	620R	621	6K20	622	62K0	623	620K	624	6M20	625	62M0	626
6R34	78Y	63R4	78X	634R	78A	6K34	78B	63K4	78C	634K	78D	6M34	78E	63M4	78F
6R49	79Y	64R9	79X	649R	79A	6K49	79B	64K9	79C	649K	79D	6M49	79E	64M9	79F
6R65	80Y	66R5	80X	665R	80A	6K65	80B	66K5	80C	665K	80D	6M65	80E	66M5	80F
6R80	6R8	68R0	680	680R	681	6K80	682	68K0	683	680K	684	6M80	685	68M0	686
6R81	81Y	68R1	81X	681R	81A	6K81	81B	68K1	81C	681K	81D	6M81	81E	68M1	81F
6R98	82Y	69R8	82X	698R	82A	6K98	82B	69K8	82C	698K	82D	6M98	82E	69M8	82F
7R15	83Y	71R5	83X	715R	83A	7K15	83B	71K5	83C	715K	83D	7M15	83E	71M5	83F

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7R32	84Y	73R2	84X	732R	84A	7K32	84B	73K2	84C	732K	84D	7M32	84E	73M2	84F
7R50	85Y	75R0	85X	750R	85A	7K50	85B	75K0	85C	750K	85D	7M50	85E	75M0	85F
7R68	86Y	76R8	86X	768R	86A	7K68	86B	76K8	86C	768K	86D	7M68	86E	76M8	86F
7R87	87Y	78R7	87X	787R	87A	7K87	87B	78K7	87C	787K	87D	7M87	87E	78M7	87F
OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking	OHM	Marking
8R06	88Y	80R6	88X	806R	88A	8K06	88B	80K6	88C	806K	88D	8M06	88E	80M6	88F
8R20	8R2	82R0	820	820R	821	8K20	822	82K0	823	820K	824	8M20	825	82M0	826
8R25	89Y	82R5	89X	825R	89A	8K25	89B	82K5	89C	825K	89D	8M25	89E	82M5	89F
8R45	90Y	84R5	90X	845R	90A	8K45	90B	84K5	90C	845K	90D	8M45	90E	84M5	90F
8R66	91Y	86R6	91X	866R	91A	8K66	91B	86K6	91C	866K	91D	8M66	91E	86M6	91F
8R87	92Y	88R7	92X	887R	92A	8K87	92B	88K7	92C	887K	92D	8M87	92E	88M7	92F
9R09	93Y	90R9	93X	909R	93A	9K09	93B	90K9	93C	909K	93D	9M09	93E	90M9	93F
9R10	9R1	91R0	910	910R	911	9K10	912	91K0	913	910K	914	9M10	915	91M0	916
9R31	94Y	93R1	94X	931R	94A	9K31	94B	93K1	94C	931K	94D	9M31	94E	93M1	94F
9R53	95Y	95R3	95X	953R	95A	9K53	95B	95K3	95C	953K	95D	9M53	95E	95M3	95F
9R76	96Y	97R6	96X	976R	96A	9K76	96B	97K6	96C	976K	96D	9M76	96E	97M6	96F