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1、订货代码 HOW TO ORDER

举例 For example

XR	0307	—	220	K	P	52	E
↓	↓		↓	↓	↓	↓	↓
A	B		C	D	E	F	G

A:

产 品 类 别 Product type	
XR	轴向色码电感器 Axial color code inductor

C:

标称电感量 Nominal inductance (μH)
前两位数字为有效数字，后一位数字表示零的个数。

The first two digits are significant, and the third digit is number of zero.

* 例如 For example : 101=100μH ;
5R6=5.6μH R22=0.22μ H

E:

包 装 方 式 Packaging style		
编带 Tape & reel	P	盒带包装 Ammo
	T	卷带包装 Reel
散包装 Bulk	F	直脚轴向 Axial
	L	直脚成型 Straight lead formed
	V	弯脚成型 Bent lead formed
	VK	弯脚 K 型 Bent lead K formed

G:

备 注 Remark	
E	无铅 Lead Free
空格 Blank	含铅 Lead Contained



B:

尺 寸 Dimensions (mm)		
类型 Type	外径 D _{max}	体长 L _{max}
0204	2.3	4.2
0307	2.8	7.0
0410	4.0	10.5
0510	5.0	10.5

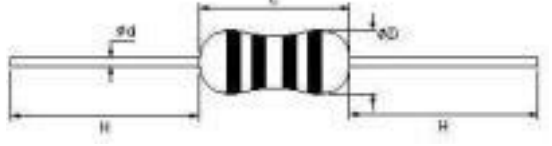
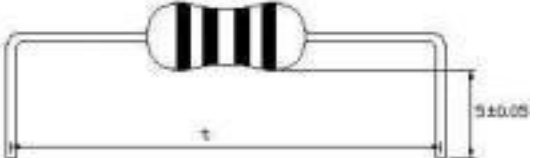
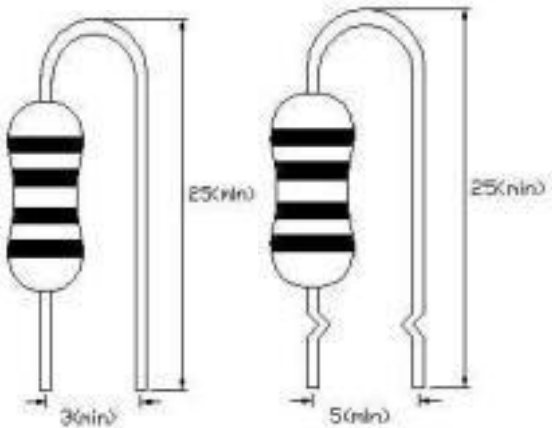
D:

感量偏差 Tolerance	
J	±5.0%
K	±10%
M	±20%

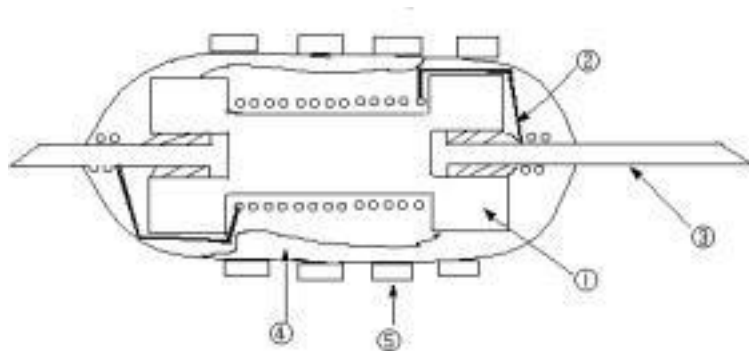
F :

引 脚 形 式 Lead configuration		
编带 Tape & reel	26	编带内距 : 26mm Tape width:
	52	编带内距 : 52mm Tape width:
引脚成型 Formed lead	05	引脚脚距 : 5.08mm Formed lead pitch:
	07	引脚脚距 : 7.5mm Formed lead pitch:
	10	引脚脚距 : 10.0mm Formed lead pitch:
	12	引脚脚距 : 12.5mm Formed lead pitch:
	15	引脚脚距 : 15.0mm Formed lead pitch:
	17	引脚脚距 : 17.5mm Formed lead pitch:
	20	引脚脚距 : 20.0mm Formed lead pitch:

2、外形尺寸 EXTERNAL DIMENSIONS

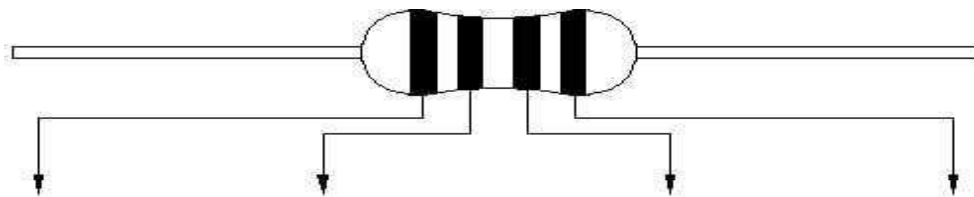
类型 Type	尺寸 Body size (mm)					
	$\phi D \leq$	$L \leq$	t	ϕd	$H \geq$	
XR0204	2.3	4.2	$t = 5.08 \pm 0.6$ $t = 7.50 \pm 0.6$	0.50 ± 0.05	20	 轴向 (Axial)
XR0307	2.8	7.0	$t = 10.0 \pm 0.6$ $t = 12.5 \pm 0.6$	0.50 ± 0.05		
XR0410	4.0	10.5	$t = 12.5 \pm 0.6$ $t = 15.0 \pm 0.6$ $t = 17.5 \pm 0.6$ $t = 20.0 \pm 0.6$	0.60 ± 0.05		 直脚成型 (L type)
XR0510	5.0	10.5	$t = 15.0 \pm 0.6$ $t = 17.5 \pm 0.6$ $t = 20.0 \pm 0.6$	0.65 ± 0.05		
						 弯脚成型 (V type) 弯脚 K 型 (VK type)

3、产品结构 STRUCTURE



序号 NO.	① 磁 芯 Core	② 漆包线 Wire	③ 引脚 Lead	④ 涂覆层 Coating	⑤ 色码 Color code
材料名称 Material name	铁氧体 Ferrite	漆包铜线 Enamelled wire	镀锡铜线 Tinned copper wire	环氧树脂 Epoxy resin	环氧色漆 Epoxy paint for Color coding

4、色码标记代号 MARKING



	标称电感量 Nominal inductance (μH)			感量偏差 Tolerance
	第一色环 1 st color zone	第二色环 2 nd color zone	第三色环 3 rd color zone	第四色环 4 th color zone
	第一数字 1 st digit	第二数字 2 nd digit	第三数字 3 rd digit	
黑 Black	0	0	$\times 10^0 (1)$	M : $\pm 20\%$
棕 Brown	1	1	$\times 10^1 (10)$	
红 Red	2	2	$\times 10^2 (100)$	
橙 Orange	3	3	$\times 10^3 (1000)$	
黄 Yellow	4	4	$\times 10^4 (10000)$	
绿 Green	5	5	$\times 10^5 (100000)$	
蓝 Blue	6	6		
紫 Purple	7	7		
灰 Gray	8	8		
白 White	9	9		
金 Gold	/	/	$\times 10^{-1} (0.1)$	J : $\pm 5\%$
银 Silver	/	/	$\times 10^{-2} (0.01)$	K : $\pm 10\%$

*例如 e.g. :

标称电感量及偏差为 22 μH , $\pm 5\%$ 的电感器其色码为：红+红+黑+金；

If nominal inductance & tolerance is 22 μH , $\pm 5\%$, respectively red+red+black+gold should be marked;

标称电感量及偏差为 1.0 μH , $\pm 10\%$ 的电感器其色码为：棕+黑+金+银；

If nominal inductance & tolerance is 1.0 μH , $\pm 10\%$, respectively brown+black+gold+silver should be marked;

标称电感量及偏差为 0.22 μH , $\pm 20\%$ 的电感器其色码为：红+红+银+黑。

If nominal inductance & tolerance is 0.22 μH , $\pm 20\%$, respectively red+red+silver+black should be marked.

备注：XR0204 由于体长较小，只标注前三条代表标称电感量的色码。

NOTE: Only the first three color zones are marked on the body of XR0204, due to the small body size.

5、电性能参数及测试条件

ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

XR0204 型电感器电性能参数及测试条件

XR0204 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

XR0204 类型 Type	电 感 量 Inductance (μH)	误 差 Tolerance	Q (min)	直流电阻 RDC (Ω) max	测试频率 Test frequency (MHz)	自谐频率 SRF (MHz) min	额定电流 Rated current I _{dc} (mA) max
XR0204-R22	0.22	M : ±20%	35	0.40	25.2	150	400
XR0204-R27	0.27			0.43			380
XR0204-R33	0.33			0.48			370
XR0204-R39	0.39			0.51			350
XR0204-R47	0.47			0.56			330
XR0204-R56	0.56			0.61			320
XR0204-R68	0.68			0.67			310
XR0204-R82	0.82			0.74			290
XR0204-1R0	1.0			0.80			270
XR0204-1R2	1.2	K : ±10%	40	0.90	7.96	110	260
XR0204-1R5	1.5			1.0		80	250
XR0204-1R8	1.8			1.1		60	240
XR0204-2R2	2.2			1.2		45	230
XR0204-2R7	2.7			1.3		40	220
XR0204-3R3	3.3			1.4		38	210
XR0204-3R9	3.9			1.6		35	200
XR0204-4R7	4.7			1.7		32	190
XR0204-5R6	5.6			1.9		30	180
XR0204-6R8	6.8			2.0	28	175	
XR0204-8R2	8.2			2.2	26	165	
XR0204-100	10			2.5	24	160	
XR0204-120	12			2.5	22	150	
XR0204-150	15			2.8	20	145	
XR0204-180	18			3.1	18	140	
XR0204-220	22			3.4	17	130	
XR0204-270	27			4.3	16	80	
XR0204-330	33			4.7	14	76	
XR0204-390	39			3.9	13	73	
XR0204-470	47	J : ±5%	40	5.8	2.52		

特殊要求的产品可以根据客户要求生产

The products can be customized according to customer requirement.

XR0307 型电感器电性能参数及测试条件
 XR0307 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

XR0307 类型 Type	电感量 Inductance (μH)	误 差 Tolerance	Q (min)	直流电阻 RDC (Ω) max	测试频率 Test frequency (MHz)	自谐频率 SRF (MHz) min	额定电流 Rated current I _{bc} (mA) max
XR0307-R22	0.22	M : ±20%	35	0.40	25.2	150	400
XR0307-R27	0.27			0.43			380
XR0307-R33	0.33			0.48			370
XR0307-R39	0.39			0.51			350
XR0307-R47	0.47			0.56			330
XR0307-R56	0.56		40	0.61			320
XR0307-R68	0.68			0.67			310
XR0307-R82	0.82			0.74			290
XR0307-1R0	1.0			0.80			270
XR0307-1R2	1.2			50			0.90
XR0307-1R5	1.5		1.0		131	250	
XR0307-1R8	1.8		1.1		121	240	
XR0307-2R2	2.2		1.2		110	230	
XR0307-2R7	2.7		1.3		100	220	
XR0307-3R3	3.3		1.4		94	210	
XR0307-3R9	3.9		1.6		65	200	
XR0307-4R7	4.7		1.7		56	190	
XR0307-5R6	5.6		1.9		48	180	
XR0307-6R8	6.8		2.0		37	175	
XR0307-8R2	8.2		2.2		25	165	
XR0307-100	10	2.5	21		160		
XR0307-120</							

特殊要求的产品可以根据客户要求生产
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XR0410 型电感器电性能参数及测试条件

XR0410 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

XR0410 类型 Type	电感量 Inductance (μH)	误 差 Tolerance	Q (min)	直流电阻 RDC (Ω) max	测试频率 Test frequency (MHz)	自谐频率 SRF (MHz) min	额定电流 Rated current I _{DC} (mA) max
XR0410-R22	0.22	M : ±20%	45	0.10	25.2	300	1400
XR0410-R27	0.27		45	0.11		270	1320
XR0410-R33	0.33		45	0.12		250	1280
XR0410-R39	0.39		45	0.13		230	1200
XR0410-R47	0.47		45	0.14		220	1150
XR0410-R56	0.56		45	0.15		200	1122
XR0410-R68	0.68		45	0.16		190	1030
XR0410-R82	0.82		45	0.17		172	980
XR0410-1R0	1.0		45	0.19		157	920
XR0410-1R2	1.2		50	0.21	7.96	144	880
XR0410-1R5	1.5		50	0.23		131	830
XR0410-1R8	1.8		55	0.25		121	790
XR0410-2R2	2.2		55	0.28		110	750
XR0410-2R7	2.7		60	0.30		100	

特殊要求的产品可以根据客户要求生产

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XR0510 型电感器电性能参数及测试条件

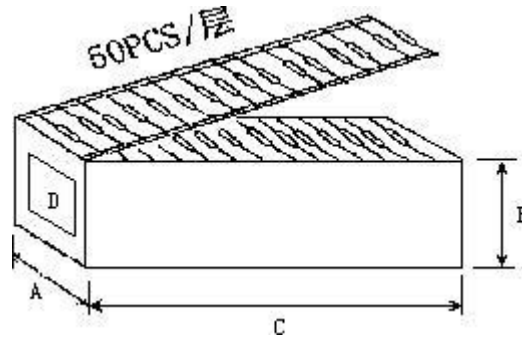
XR0510 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

XR0510 类型 Type	电感量 Inductance (μH)	误 差 Tolerance	Q (min)	直流电阻 RDC (Ω) max	测试频率 Test frequency (MHz)	自谐频率 SRF (MHz) min	额定电流 Rated current I _{DC} (mA) max
XR0510-2R2	2.2	M: ±20%	10	0.26	7.96	50	2100
XR0510-3R3	3.3		10	0.3		50	1800
XR0510-3R9	3.9		10	0.35		50	1500
XR0510-4R7	4.7		20	0.43		50	900
XR0510-6R8	6.8		15	0.45		45	850
XR0510-100	10		15	0.45		30	750
XR0510-120	12		30	0.6		30	700
XR0510-150	15		30	0.65		30	650
XR0510-180	18		30	0.65		30	600
XR0510-220	22		K: ±10%	30		0.65	8
XR0510-270	27	30		0.65	7	500	
XR0510-330	33	30		0.65	6	470	
XR0510-390	39	30		0.65	6	460	
XR0510-470	47	30		0.8	5	430	
XR0510-560	56	30		0.8	5	430	
XR0510-680	68	30		0.8	4.5	430	
XR0510-820	82	30		0.82	3.8	430	
XR0510-101	100	30		0.9	3.5	400	
XR0510-121	120	J: ±5%		30	0.92	3.3	390
XR0510-151	150		30	0.92	3.2	390	
XR0510-181	180		30	0.94	2.8	390	

特殊要求的产品可以根据客户要求生产

The products can be customized according to customer requirement.

● 盒带包装尺寸 Ammo packaging dimensions



● 包装盒尺寸 Dimensions of box

单位 Unit : mm

编带类型 Tape type	尺寸 Dimensions (±5mm)		
	A	B	C
52	75	82	260
26	50	82	260

● 包装数量 Packaging quantity

包装方式 Packaging style	盒带包装 Ammo	卷带包装 Tape & reel	散包装 Bulk
包装数量 Quantity	2000	2000	1000

可根据用户需求包装

Packaging according to customer's requirement