

### MD-0505B系列

#### 特性

- PP可塑塑胶注模。
- 高稳定性。
- 电感值可以调整。
- 结构牢固。
- 频率范围：30MHz~200MHz。
- 温度系数：150ppm/°C(Max)。
- 无铅产品符合RoHS指令。

#### CHARACTER

- PP plastic bobbin.
- High stability.
- Adjustable inductance value.
- Firm structure.
- Frequency range:30MHz~200MHz.
- Temperature coefficient:150ppm/°C(Max).
- Lead free products RoHS compliant.

#### 应用

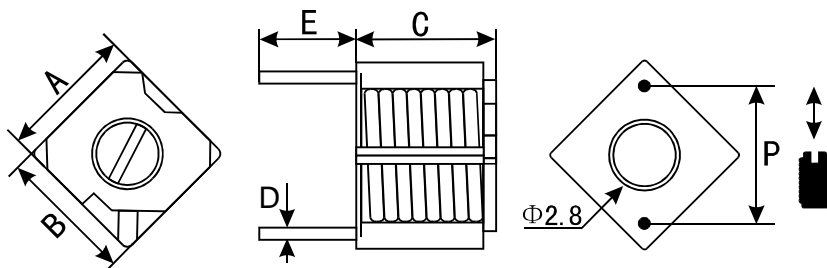
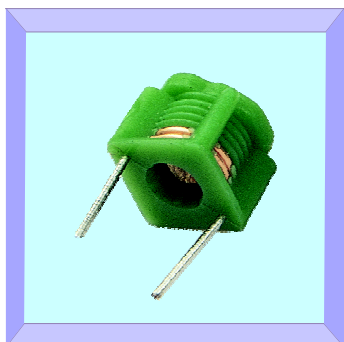
- 无线电设备、射频、振荡线圈。
- 无线电调频、TV接收器、发射装置。
- 汽车、无线通信、射频振荡电路应用。

#### APPLICATIONS

- ANT,RF&OSC Coils.
- FM radio,TV receiver,Transceiver.
- Car, Wireless telecommunication and RF electronic application.

#### 外形尺寸

#### SHAPE AND DIMENSIONS (unit:mm)



A	B	C	D	E	P
5.1±0.2	5.1±0.2	5.0±0.5	0.4±0.1	5.0±1.0	5.0±0.5

#### 电气性能

#### ELECTRICAL CHARACTERISTICS

产品编号 Part No	颜色 COLOUR	中心电感值 L(Nom) (nH)	最小电感值 L(Min) (nH)	最大电感值 L(Max) (nH)	Q值 (Min)	测试频率 Test Freq MHz
MD-0505B-1.5TC-B	White(白)	16.9	15.5	18.3	80	200
MD-0505B-2.5TC-B	Red(红)	30.2	27.0	33.5	80	200
MD-0505B-3.5TC-B	Orange(橙)	46.5	38.0	55.0	60	200
MD-0505B-4.5TC-B	Yellow(黄)	66.5	55.5	77.5	60	200
MD-0505B-5.5TC-B	Green(绿)	89.5	71.5	107.5	40	200
MD-0505B-6.5TC-B	Blue(蓝)	103.0	87.5	118.5	40	200

测试仪器 Testing Instrument: Q-METER 171, Inductance-HP4191A

- 模压线圈的颜色可根据客户的要求生产。Tailor-made colour are welcome with molded coils.
- 如果需要增加电感值,可以用铁氧体磁芯代替铜芯或铝芯。  
If need to increase the inductance value, Ferrite core can be used to replace Brass or Aluminum core.
- 电感值仅供参考。Inductance value for reference only.

MD-0710S-TC-B

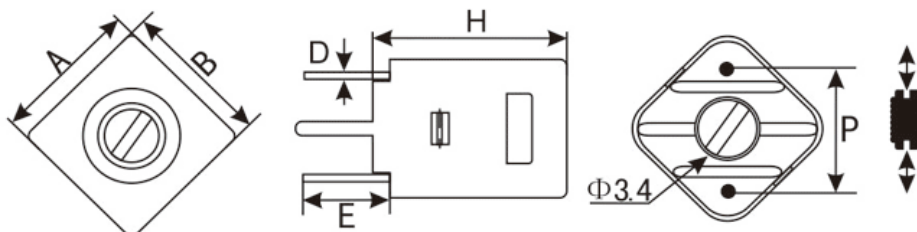
产品特性 Features

- 采用PP塑料、空芯线圈注塑成型。PP plastic with air coil to be molded.
- 带外壳保护，可防止辐射和干扰。Shield cover protect, avoid shield and disturb.
- 电感值可以调整。Adjustable inductance value.
- 结构牢固，可以从上下两端任意调整。Firm structure, coil core can be tuned by upside or downside.
- 频率范围：30MHz~250MHz。Frequency range: 30MHz~250MHz.
- 温度系数：150±100PPM/°C。Temperature coefficient: 150±100PPM/°C.
- 无铅产品，符合RoHS、REACH指令。Lead free, RoHS & REACH compliant.

产品应用 Applications

- RF调频、无线收发、安防领域。RF radio, wireless transceiver, security field.
- 无线电调频、TV接收器、发射装置。FM radio, TV receiver, transceiver.
- 汽车、无线通信、射频振荡电路应用。Car, wireless telecommunication and RF electronic application.

外形尺寸 Shape and Dimensions(unit:mm)



A	B	H	D	E	P
8.1Max	8.1Max	11.7Max	0.5±0.1	5.0±1.0	6.2±0.5

电气性能 Electrical Characteristics

产品编号 Part No.	颜色 Colour	中心电感值 L(Nom) (nH)	最小电感值 L(Min) (nH)	最大电感值 L(Max) (nH)	Q值 (Min)	测试频率 Test Freq MHz
MD-0710S-1.5TC-B	White(白)	17.5	16.2	18.8	60	100
MD-0710S-2.5TC-B	Red(红)	29.2	24.9	33.5	60	100
MD-0710S-3.5TC-B	Orange(橙)	43.0	35.5	50.5	60	100
MD-0710S-4.5TC-B	Yellow(黄)	58.8	46.8	70.8	60	100
MD-0710S-5.5TC-B	Green(绿)	76.5	61.3	91.7	60	100
MD-0710S-6.5TC-B	Blue(蓝)	98.0	79.5	116.5	40	50
MD-0710S-7.5TC-B	Violet(紫)	117.9	98.3	137.5	40	50
MD-0710S-8.5TC-B	Gray(灰)	146.5	123.5	168.5	40	50
MD-0710S-9.5TC-B	White(白)	172.5	148.2	196.8	40	50
MD-0710S-10.5TC-B	Red(红)	194.5	168.7	220.3	40	50

测试仪器 Testing Instrument: Q-METER171, Inductance-HP4191A

- 模压线圈的塑胶颜色可根据客户的要求生产。Tailor-made colour are welcome with molded coils.
- 同一型号模压线圈，如果需要增加电感值，可选用铁氧体磁芯。Ferrite core used can increase inductance value in the same item.

## MD-0710U-TC-F

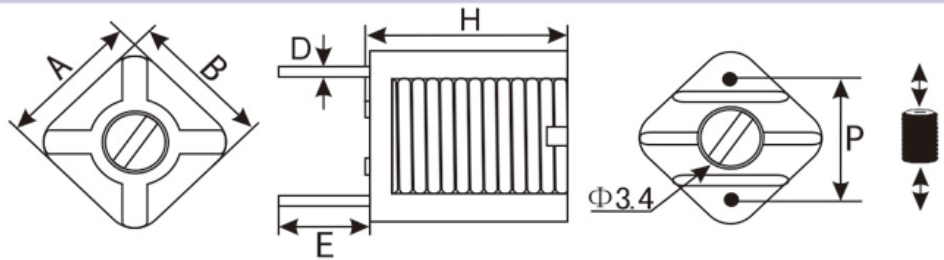
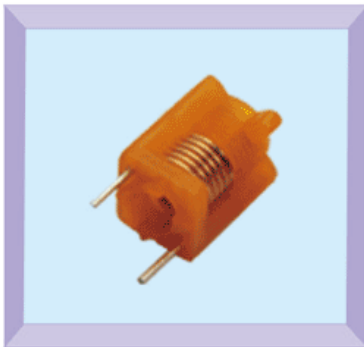
### 产品特性 Features

- 采用PP塑料、空芯线圈注塑成型。PP plastic with air coil to be molded.
- 性能稳定，线圈为密绕。Stable capability, winding type can be close winding.
- 电感值可以调整。Adjustable inductance value.
- 结构牢固，可以从上下两端任意调整。Firm structure, coil core can be tuned by upside or downside.
- 频率范围：30MHz~250MHz。Frequency range: 30MHz~250MHz.
- 温度系数：150±100PPM/°C。Temperature coefficient: 150±100PPM/°C.
- 无铅产品，符合RoHS、REACH指令。Lead free, RoHS & REACH compliant.

### 产品应用 Applications

- RF调频、无线收发、安防领域。RF radio, wireless transceiver, security field.
- 无线电调频、TV接收器、发射装置。FM radio, TV receiver, transceiver.
- 汽车、无线通信、射频振荡电路应用。Car, wireless telecommunication and RF electronic application.

### 外形尺寸 Shape and Dimensions(unit:mm)



A	B	H	D	E	P
6.6±0.2	6.6±0.2	10.5±0.5	0.6±0.1	5.0±1.0	6.5±0.5

### 电气性能 Electrical Characteristics

产品编号 Part No.	颜色 Colour	中心电感值 L(Nom) (nH)	最小电感值 L(Min) (nH)	最大电感值 L(Max) (nH)	Q值 (Min)	测试频率 Test Freq MHz
MD-0710U-1.5TC-F	White(白)	30.0	22.0	38.0	45	100
MD-0710U-2.5TC-F	Red(红)	61.5	37.0	86.0	45	100
MD-0710U-3.5TC-F	Orange(橙)	104.5	60.0	149.0	45	100
MD-0710U-4.5TC-F	Yellow(黄)	135.0	80.0	190.0	40	100
MD-0710U-5.5TC-F	Green(绿)	192.0	121.0	262.0	40	100
MD-0710U-6.5TC-F	Blue(蓝)	215.0	150.0	280.0	35	100
MD-0710U-7.5TC-F	Violet(紫)	236.0	157.0	316.0	35	100
MD-0710U-8.5TC-F	Gray(灰)	338.0	238.0	438.0	30	100
MD-0710U-9.5TC-F	White(白)	440.0	320.0	560.0	30	100
MD-0710U-10.5TC-F	Red(红)	503.0	385.0	621.0	25	100

测试仪器 Testing Instrument: Q-METER171, Inductance-HP4191A

- 模压线圈的塑胶颜色可根据客户的要求生产。Tailor-made colour are welcome with molded coils.
- 同一型号模压线圈，如果需要减小电感值，可选用铜芯。Brass core used can decrease inductance value in the same item.