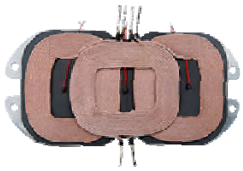
Wireless Power Charging Coil – MQQ/MQA Series

Operating Temp. : -25℃~+85℃ Customized



FEATURES

- Qi standard compliance
- Size, shape, characteristics customized
- Low profile
- High mechanical intensity
- High temperature protection design

APPLICATIONS

- Using for transmitter and receiver module of portable electronics device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

WPC	Q	T	C	303020	S	6R3
①	②	③	④	⑤	⑥	⑦

①	Product
WPC	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction(Sparse)
A	Resonance
M	Multimodal

③	Location
T	Transmitter
R	Receiver

④	Shape
C	Circle
R	Rectangle
E	Other Shapes

⑤	External Dimensions (L×W×H)
303020	30×30×2.0mm

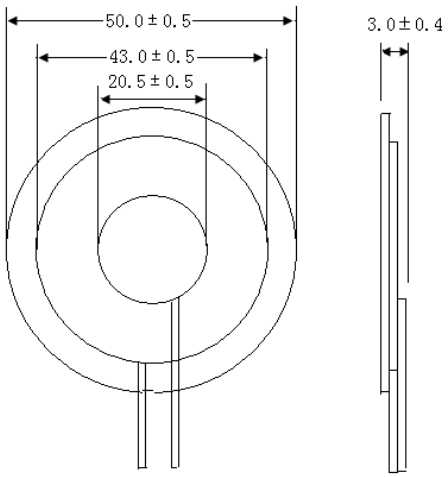
⑥	Ferrite Feature type
S	Thin sheet
T	Central boss
E	Other Shapes

⑦	Inductance
6R3	6.3uH

Tel:0755-28029100 28025880 Fax:0755-28027911 E-mail:mdn@ mdngroup.com.cn

SHAPE AND DIMENSIONS

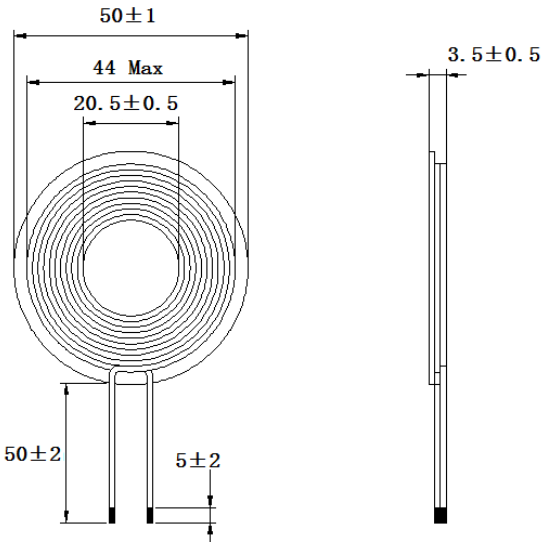
WPCQTC505030S6R3 Unit: mm



Winding Specification

Coil Number	Wire	Turns
1	0.08×105	10

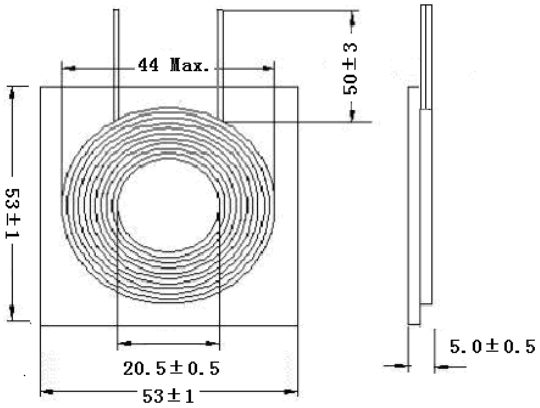
WPCQTC505035S240 Unit: mm



Winding Specification

Coil Number	Wire	Turns
1	0.08×105	10

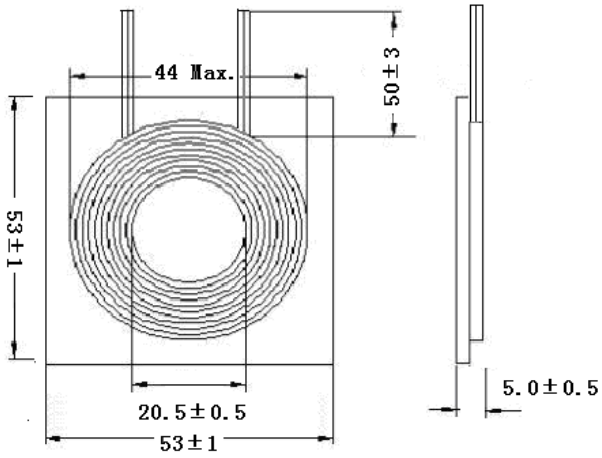
WPCQTR535350S240 Unit: mm



Winding Specification

Coil Number	Wire	Turns
1	0.08×105	20

WPCQTR535350S6R3 Unit: mm



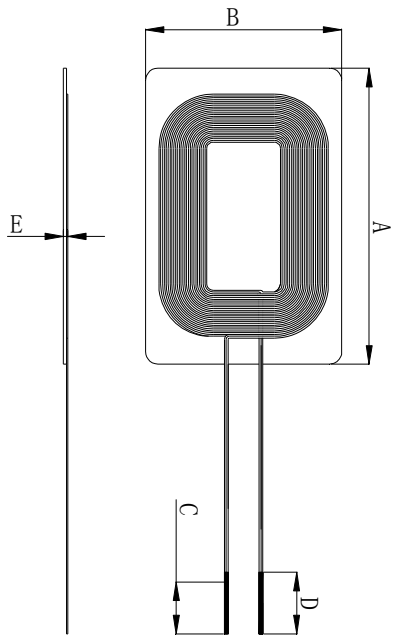
Winding Specification

Coil Number	Wire	Turns
1	0.08×105	10

SHAPE AND DIMENSIONS

WPCQRR281508S7R5

Unit: mm

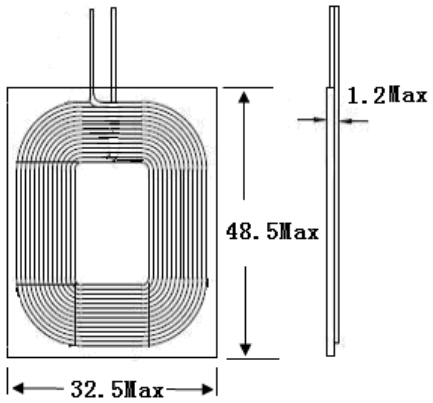


Winding Specification

Coil Number	Wire	Turns
1	0.142P	18 Ref

WPCQRR483211S100

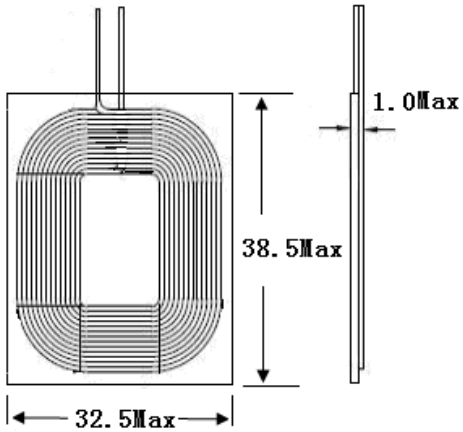
Unit: mm



Winding Specification

Coil Number	Wire	Turns
1	0.30×2	15

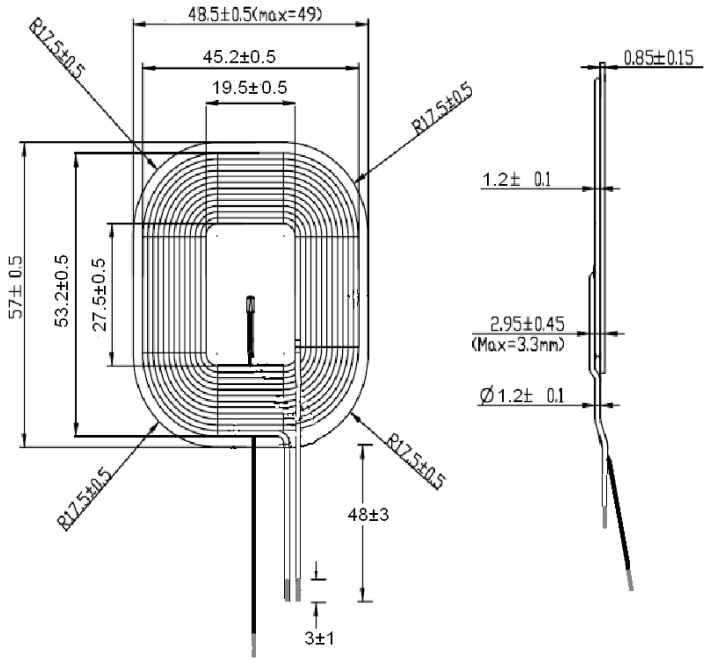
Unit: mm



Winding Specification

Coil Number	Wire	Turns
1	0.25×2	17

Unit: mm



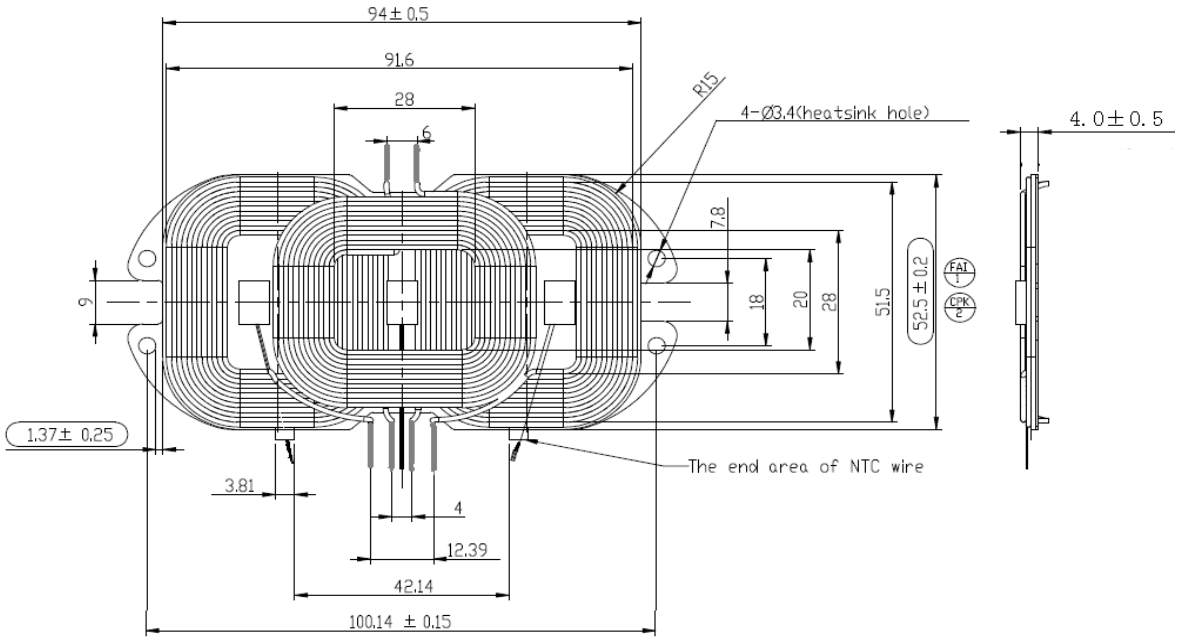
Winding Specification

Coil Number	Wire	Turns
1	0.08×100	12

SHAPE AND DIMENSIONS

WPCQTR1075240S120

Unit: mm

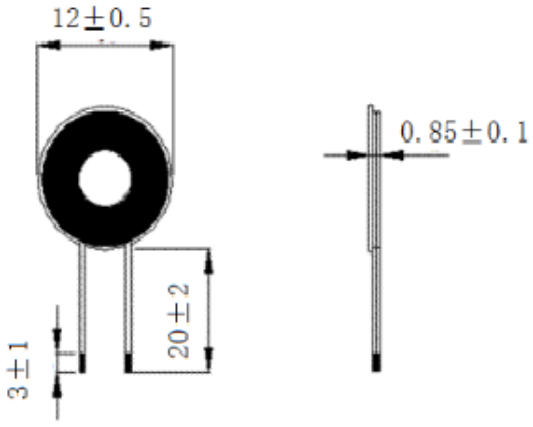


Winding Specification

Coil Number		Wire	Turns
3	Upper 1	0.08×100	12
	Lower 2	0.08×100	12

MQQRC121208S8R5

Unit: mm

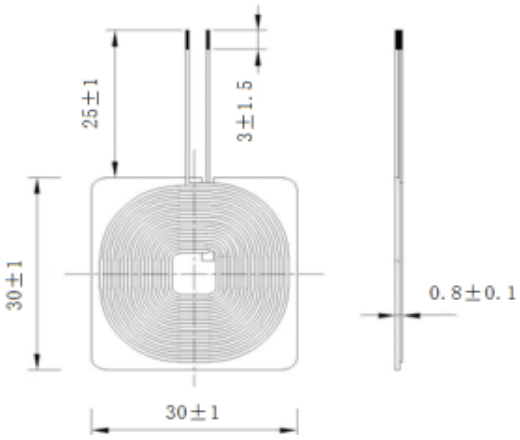


Winding Specification

Coil Number	Wire	Turns
1	2HBUEW 155 0.20	25

MQQRR303008S8R2

Unit: mm

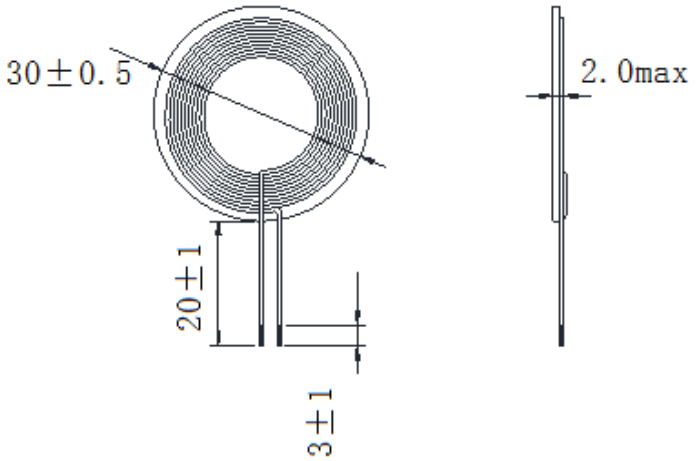


Winding Specification

Coil Number	Wire	Turns
1	2HBUEW 155 0.25	14

SHAPE AND DIMENSIONS

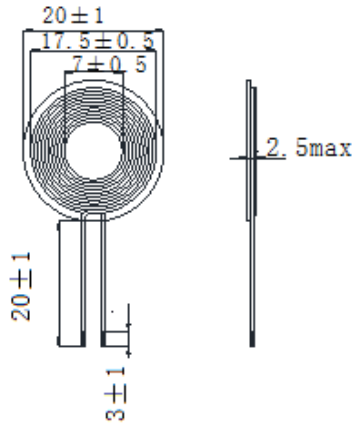
Unit: mm



Winding Specification

Coil Number	Wire	Turns
1	0.08x24	12

Unit: mm

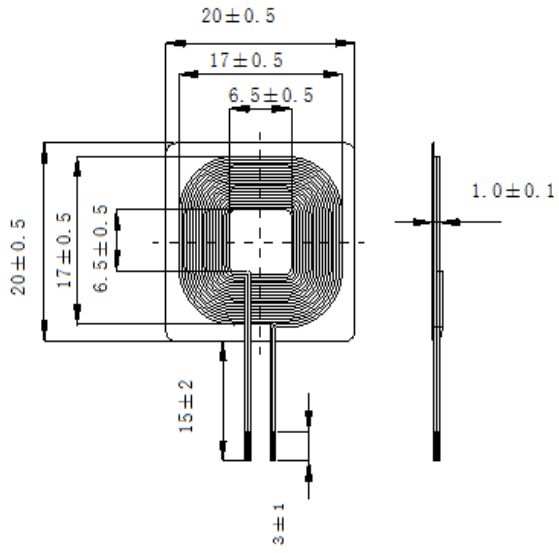


Winding Specification

Coil Number	Wire	Turns
1	0.08x24	18

WPCQRR202008S120

Unit: mm

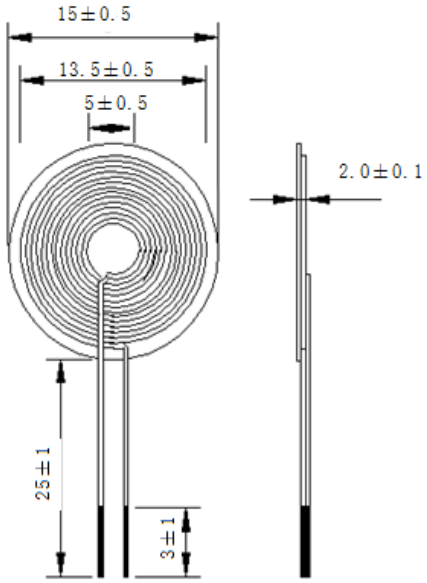


Winding Specification

Coil Number	Wire	Turns
1	2HBUEW 155 0.20	23

WPCQTC151520S6R3

Unit: mm



Winding Specification

Coil Number	Wire	Turns
1	0.08x24	26

Wireless Charging Coil Assembly-WCCQRC060630S8R0

Rx Coil
Operating Temp. : -25℃~+85℃

Linear LTC4126

FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

WCC	Q	R	C	060630	S	8R0
①	②	③	④	⑤	⑥	⑦

①	Product
WCC	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

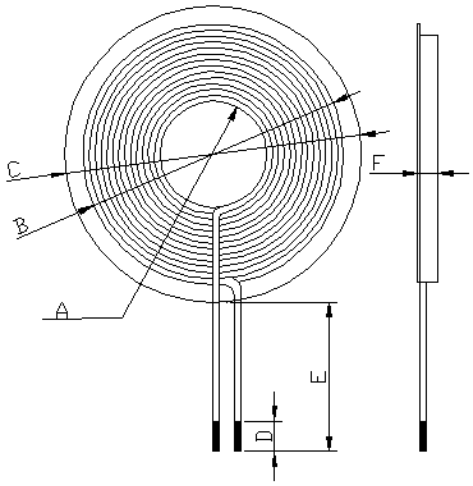
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
060630	(L×W×H) 6×6×3mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
8R0	8.0uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E	F
SPEC.	3.0±0.5	5.5±0.5	6±0.5	5±2	25±2	3.3max

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Winding specification

Coil Number	Wire	Turns
1	0.2	43

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance	Q
Test condition		100kHz	20±10℃	100KHz/1V
Units		uH	mΩ	/
WCCQRC060630S8R0	/	8.0μH±10%	370mΩ ±20%	8 Min

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

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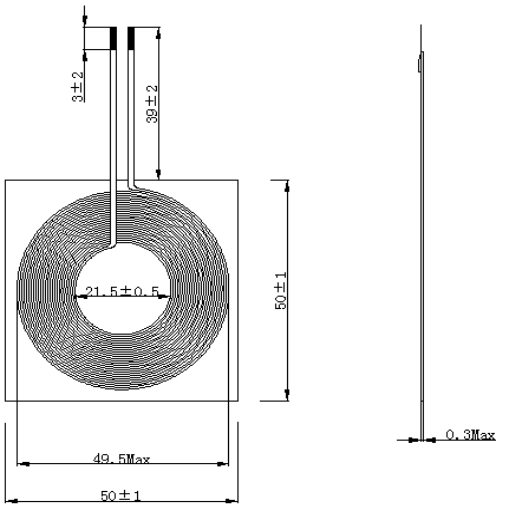
SHAPE AND DIMENSIONS

WPCQRR505003S8R2Y01

Unit: mm

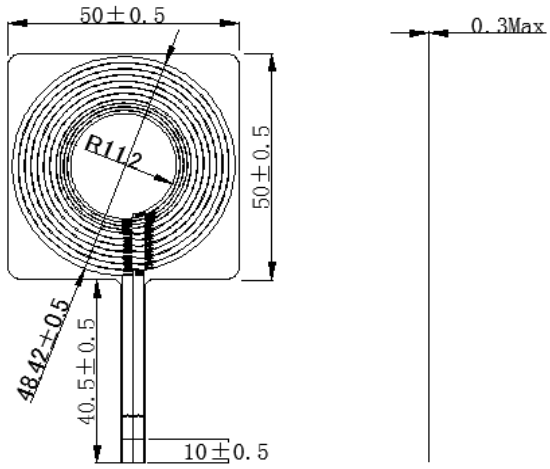


Winding Specification

Coil Number	Wire	Turns
1	2HBUEW 155 0.11	11

WPCQRR505003S8R2

Unit: mm



Winding Specification

Coil Number	Wire	Turns
1	/	11

SPECIFICATION

Part Number	Qi standard	Inductance	DC Resistance	NTC Thermistor R25 25℃
Test condition	/	100kHz	20±10℃	Ta=25±0.05℃ PT≦0.1mW
Units	/	uH	mΩ	kΩ
WPCQTC505030S6R3	A11	6.3±10%	38±20%	/
WPCQTC505035S240	A10	24±10%	75±20%	/
WPCQTR535350S240	A10	24±10%	72±20%	/
WPCQTR535350S6R3	/	6.3±10%	19±20%	/
WPCQRR281508S7R5	/	7.5±10%	500±20%	/
WPCQRR483211S100	/	10.5±10%	190±20%	/
WPCQRR383209S110	/	11.1±10%	260±20%	/
WPCQTR574829S110	A6	11.5±10%	60±20%	10±3%
WPCQTR1075240S120	MP-A6	Upper 11.5±10% /Lower 12.0±10%	56±20%	10±3%
WPCQRR202008S8R5	/	8.5±10%	380±20%	/
WPCQRR303008S8R2	/	8.2±10%	180±20%	/
WPCQTC303020S6R3	/	6.3±10%	140±20%	/
WPCQTC202020S6R3	/	6.3±10%	150 Max	/
WPCQRR202008S120	/	6.3±10%	290±20%	/
WPCQTC151520S6R3	/	6.3±10%	130±20%	/
WPCQRR505003S8R2Y0	/	8.2±10%	230mΩ±10%	/
WPCQRR505003S8R2	/	8.2±10%	180mΩ±20%	/

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	mΩ	mm	mm
1-100	10-1000	10-200	0.4-10

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Wireless Charging Coil Assembly-MQQTC151520S6R3

Tx Coil
Operating Temp. : -25℃~+85℃

IDT P9027

FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	T	C	151520	S	6R3
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

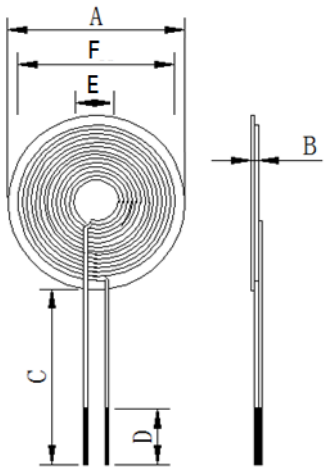
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
151520	(L×W×H) 15×15×2.0mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
6R3	6.3uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E	F
SPEC.	15 REF	2.0 REF	25 REF	3 REF	5 REF	14.5REF

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Winding specification

Coil Number	Wire	Turns
1	2HBUEW 155 0.08*24	22

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance	Q
Test condition		100kHz	20±10℃	100KHz/1V
Units		uH	mΩ	/
MQQTC151520S6R3	SWA15T15H20C01B	6.3μH±10%	120mΩ ±20%	30±30%

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

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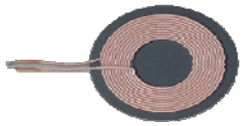
Wireless Charging Coil Assembly-MQQTC202030S2R5

Tx Coil
Operating Temp. : -25℃~+85℃

Linear LTC6992



FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	T	C	202030	S	2R5
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

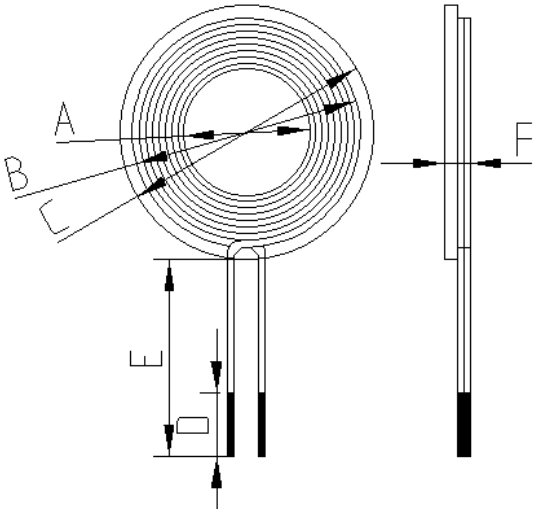
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
202030	(L×W×H) 20×20×3.0mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	电感 Inductance
2R5	2.5uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E	F
SPEC.	9.2±0.5	17.7REF	20.5±0.5	5±2	45±2	3max

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Winding specification

Coil Number	Wire	Turns
1	0.08*40	10

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance	Q
Test condition		100kHz	20±10℃	100KHz/1V
Units		uH	mΩ	/
MQQTC202030S2R5	/	2.5μH±10%	45mΩ ±20%	37±30%

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

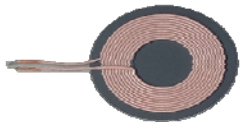
Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

Tel:0755-28029100 28025880 Fax:0755-28027911 E-mail:mdn@ mdngroup.com.cn

Wireless Charging Coil Assembly-MQQTC202030S2R7

Tx Coil
Operating Temp. : -25℃~+85℃

Linear LTC6992



FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	T	C	202030	S	2R7
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

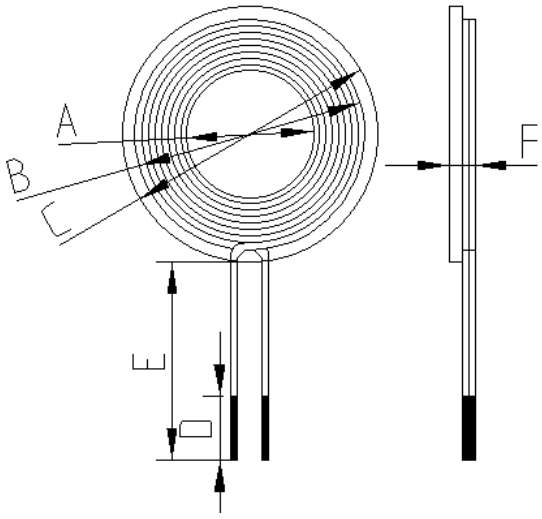
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
202030	(L×W×H) 20×20×3.0mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
2R7	2.7uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E	F
SPEC.	9.2±0.5	19±1	20.5±0.5	5±2	45±2	3.3max

Tel:0755-28029100 28025880 Fax:0755-28027911 **E-mail:mdn@ mdngroup.com.cn**

Winding specification

Coil Number	Wire	Turns
1	0.08*60	11

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance	Q
Test condition		100kHz	20±10℃	100KHz/1V
Units		uH	mΩ	/
MQQTC202030S2R7	/	2.7μH±10%	34mΩ ±20%	45±30%

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

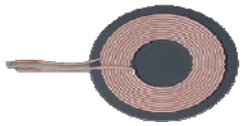
Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

Tel:0755-28029100 28025880 Fax:0755-28027911 E-mail:mdn@ mdngroup.com.cn

Wireless Charging Coil Assembly-MQQTC202030S2R9

Tx Coil
Operating Temp. : -25℃~+85℃

Linear LTC6992



FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	T	C	202030	S	2R9
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

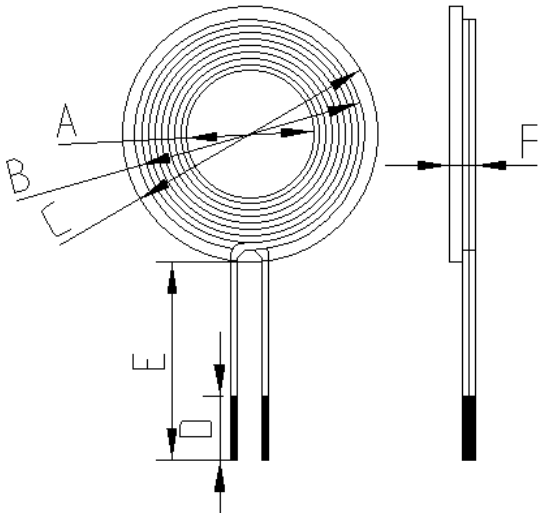
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
202030	(L×W×H) 20×20×3.0mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
2R9	2.9uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E	F
SPEC.	9.2±0.5	19±1	20.5±0.5	5±2	45±2	3.3max

Tel:0755-28029100 28025880 Fax:0755-28027911 **E-mail:mdn@ mdngroup.com.cn**

Winding specification

Coil Number	Wire	Turns
1	0.08*40	11

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance	Q
Test condition		100kHz	20±10℃	100KHz/1V
Units		uH	mΩ	/
MQQTC202030S2R9	/	2.9μH±10%	48mΩ ±20%	30Min

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

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Wireless Charging Coil Assembly-MQQRR281508S7R5

Rx Coil
Operating Temp. : -25℃~+85℃

Linear LTC4123

FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	R	R	281508	S	7R5
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

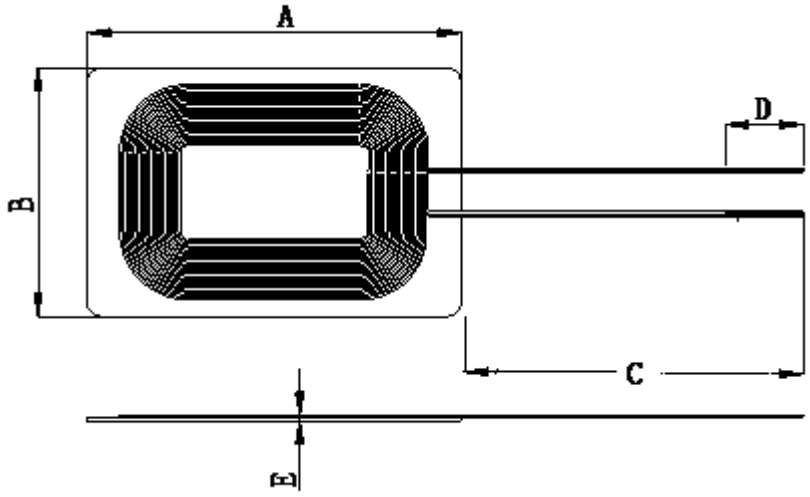
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
281508	(L×W×H) 28×15×0.8mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
7R5	7.5uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E
SPEC.	28±1	15±1	25±2	5 Ref	0.8 Ref

Tel:0755-28029100 28025880 Fax:0755-28027911 **E-mail:mdn@ mdngroup.com.cn**

Winding specification

Coil Number	Wire	Turns
1	0.14×2P	18 Ref

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance
Test condition		100kHz	20±10℃
Units		uH	mΩ
MQQRR281508S7R5	SWA28R15H08C01B	7.5μH±10%	500mΩ ±20%

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

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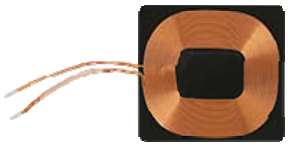
Wireless Charging Coil Assembly-MQQRR303008S8R2

Rx Coil
Operating Temp. : -25℃~+85℃

IDT P9027



FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	R	R	303008	S	8R2
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

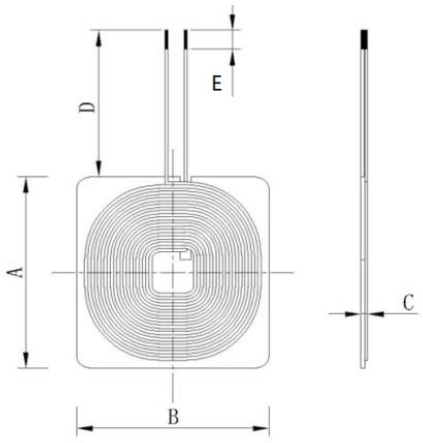
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
303008	(L×W×H) 30×30×0.8mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
8R2	8.2uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E
SPEC.	30 Ref	30 Ref	0.8 Ref	25 Ref	3 Ref

Tel:0755-28029100 28025880 Fax:0755-28027911 **E-mail:mdn@ mdngroup.com.cn**

Winding specification

Coil Number	Wire	Turns
1	Φ0.25*2P	14

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance
Test condition		100kHz	20±10℃
Units		uH	mΩ
MQQRR303008S8R2	SWA30R30H08C01B	8.2μH±10%	380mΩ Max

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

Tel:0755-28029100 28025880 Fax:0755-28027911 E-mail:mdn@ mdngroup.com.cn

Wireless Charging Coil Assembly-MQQRR383209S110

Rx Coil
Operating Temp. : -25℃~+85℃

IDT P9025

FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	R	R	383209	S	110
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

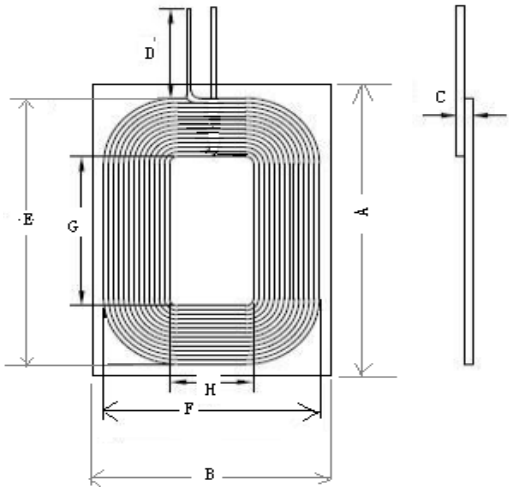
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
383209	(L×W×H) 38×32×0.9mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
110	11uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E	F	G	H
SPEC.	38.5MAX	32.5MAX	1.0MAX	50.0	35.5	30.0	17.5	12.2

Tel:0755-28029100 28025880 Fax:0755-28027911 **E-mail:mdn@ mdngroup.com.cn**

Winding specification

Coil Number	Wire	Turns
1	0.25×2	17

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance	Q
Test condition		100kHz	20±10℃	100KHz/1V
Units		uH	mΩ	/
MQQRR383209S110	SWA38R32H09C01B	11μH±10%	260mΩ ±20%	22±30%

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

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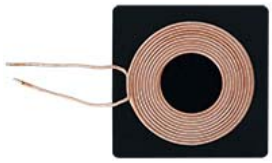
Wireless Charging Coil Assembly-MQQRR505012S7R0

Rx Coil
Operating Temp. : -25℃~+85℃

IDT P9221/P9220-B



FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	R	R	505012	S	7R0
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

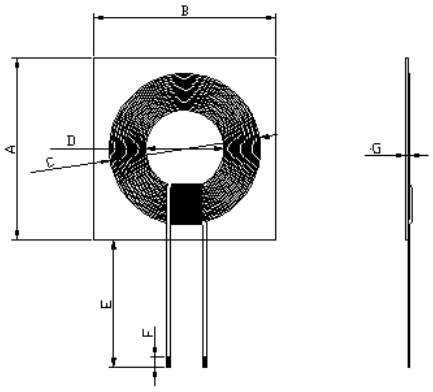
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
505012	(L×W×H) 50×50×1.2mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
7R0	7.0uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E	F	G
SPEC.	50±1	50±1	38REF	25REF	3.5±1.5	25±2	1.2±0.1

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Winding specification

Coil Number	Wire	Turns
1	0.08*48	8

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance	Q
Test condition		100kHz	20±10℃	100KHz/1V
Units		uH	mΩ	/
MQQRR505012S7R0	/	7.0μH±10%	73mΩ ±20%	60±30%

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

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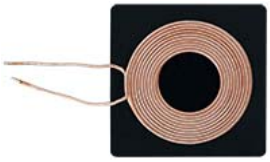
Wireless Charging Coil Assembly-MQQRR505012S8R2

Rx Coil
Operating Temp. : -25℃~+85℃

IDT P9221/P9220-B



FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	R	R	505012	S	8R2
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

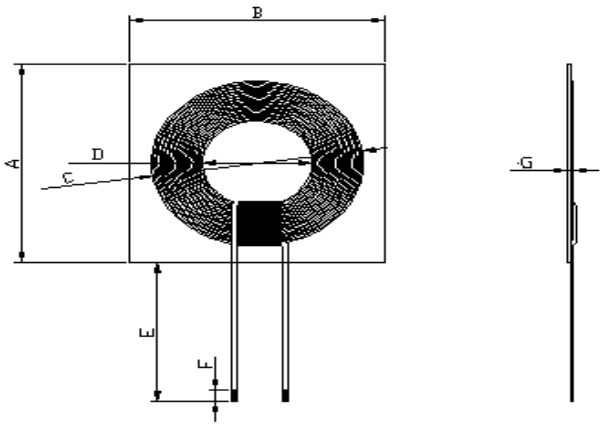
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
505012	(L×W×H) 50×50×1.2mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
8R2	8.2uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E	F	G
SPEC.	50±1	50±1	41REF	25REF	25±2	3.5±2	1.2±0.1

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Winding specification

Coil Number	Wire	Turns
1	0.08*48	9

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance	Q
Test condition		130kHz	20±10℃	130KHz/1V
Units		uH	mΩ	/
MQQRR505012S8R2	/	8.2H±10%	85mΩ ±20%	60±30%

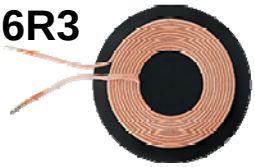
CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

Tel:0755-28029100 28025880 Fax:0755-28027911 E-mail:mdn@ mdngroup.com.cn

Wireless Charging Coil Assembly-MQQTC505030S6R3



Tx Coil
Operating Temp. : -25℃~+85℃

IDT P9238
NXP NXQ1TXL5

FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	T	C	505030	S	6R3
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

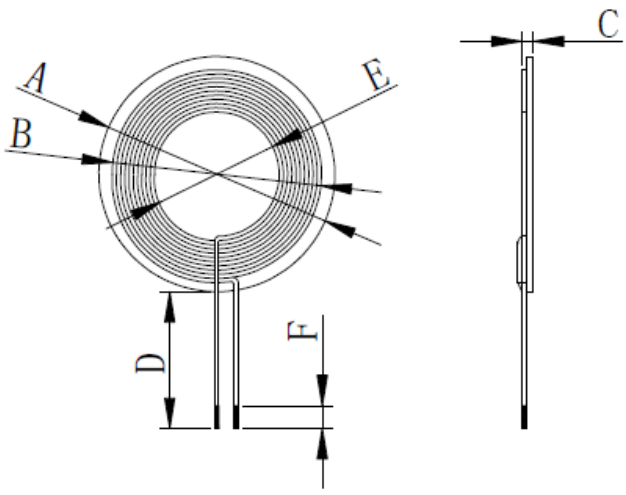
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
505030	(L×W×H) 50×50×3.0mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
6R3	6.3uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E	F
SPEC.	50±1	44 Max	3±0.4	30±3	20.5±0.5	5±2

Tel:0755-28029100 28025880 Fax:0755-28027911 E-mail:mdn@ mdngroup.com.cn

Winding specification

Coil Number	Wire	Turns
1	0.08*105	10

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance
Test condition		100kHz	20±10℃
Units		uH	mΩ
MQQTC505030S6R3	SWA50N50H30C01B	6.3μH±10%	38mΩ ±20%

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

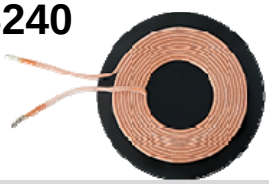
Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

Tel:0755-28029100 28025880 Fax:0755-28027911 E-mail:mdn@ mdngroup.com.cn

Wireless Charging Coil Assembly-MQQTC505035S240

Tx Coil
Operating Temp. : -25℃~+85℃

Linear LTC4126



FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	T	C	505035	S	240
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

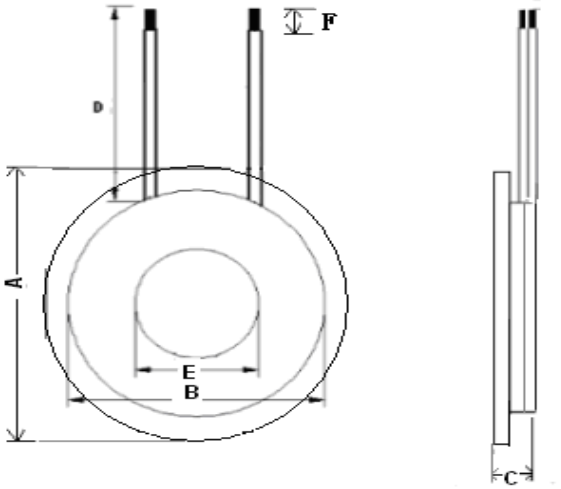
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
505035	(L×W×H) 50×50×3.5mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
240	24uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E	F
SPEC.	50±1	44 MAX	3.5±0.5	50±3	20.5±0.5	5±2

Tel:0755-28029100 28025880 Fax:0755-28027911 **E-mail:mdn@ mdngroup.com.cn**

Winding specification

Coil Number	Wire	Turns
1	0.08*105	20

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance
Test condition		100kHz	20±10℃
Units		uH	mΩ
MQQTC505035S240	SWA50N50H35C13B	24μH±10%	72mΩ ±20%

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

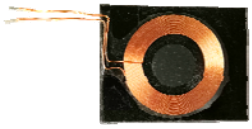
Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

Tel:0755-28029100 28025880 Fax:0755-28027911 E-mail:mdn@ mdngroup.com.cn

Wireless Charging Coil Assembly-MQQRR514009S8R3

Rx Coil
Operating Temp. : -25℃~+85℃

IDT P9221P



FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	R	R	514009	S	8R3
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

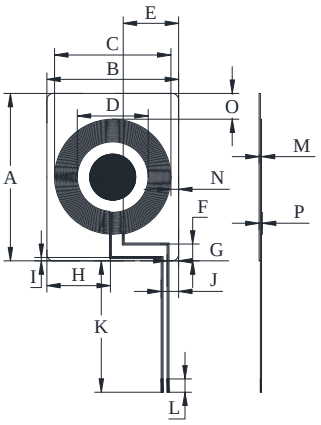
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
514009	(L×W×H) 51×40×0.9mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
8R3	8.3uH

SHAPE AND DIMENSIONS



Unit：mm

ITEM	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
SPEC.	51 ±1.0	40 ±1.0	35.0 ±0.5	21.5 REF	16.8 ±3.0	5.1 +0/-4.0	3.5 ±2.0	19.3 ±1.0	1.0 ±1.0	5.3 +1.5/-3.0	40 REF	4.0 REF	0.9 ±0.1	2.5 ±0.8	8.0 ±0.8	1.2 ±0.1

Tel:0755-28029100 28025880 Fax:0755-28027911 E-mail:mdn@ mdngroup.com.cn

Winding specification

Coil Number	Wire	Turns
1	0.3mm*2P	11 REF

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance
Test condition		100kHz	20±10℃
Units		uH	mΩ
MQQRR514009S8R3	SWA51R40H09C01B	8.3μH±10%	150mΩ ±20%

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

Tel:0755-28029100 28025880 Fax:0755-28027911 E-mail:mdn@ mdngroup.com.cn

Wireless Charging Coil Assembly-MQQTR1075240S120

Tx Coil
Operating Temp. : -25℃~+85℃

IDT P9036B

FEATURES

- Low profile
- High mechanical intensity

APPLICATIONS

- Using for transmitter and receiver module of portable electronic device such as mobile phones, tablet PC and DSCs, etc.

PRODUCT IDENTIFICATION

MQ	Q	T	R	1075240	S	120
①	②	③	④	⑤	⑥	⑦

①	Product
MQ	Wireless Charging Coil Assembly

②	Type
Q	Induction (Close)
P	Induction (sparse)

③	Location
T	Transmitter
R	Receiver

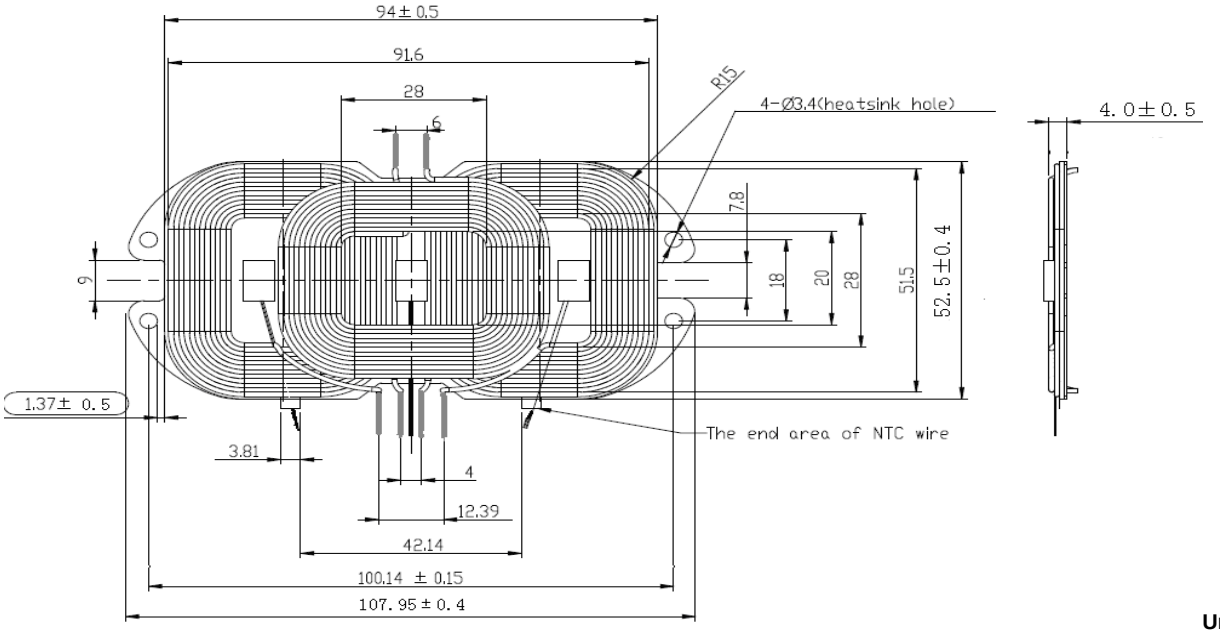
④	Shape
C	Circle
R	Rectangle

⑤	External Dimensions
1075240	(L×W×H) 107×52×4.0mm

⑥	Ferrite Feature type
S	Thin sheet
T	Central boss

⑦	Inductance
120	12uH

SHAPE AND DIMENSIONS



Unit：mm

Tel:0755-28029100 28025880 Fax:0755-28027911 **E-mail:mdn@ mdngroup.com.cn**

Winding specification

Coil Number	Wire	Turns
1	0.08*100	12
2	0.08*100	12

SPECIFICATION

Part Number	Old Part Number	Inductance	DC Resistance	Q
Test condition		100kHz	20±10℃	100KHz/1V
Units		uH	mΩ	/
MQQTR1075240S120	SWA107T52H40C01B	Upper 11.5μH±10% Lower 12.0μH±10%	56mΩ ±20%	80±30%

CUSTOMIZED PRODUCT PRESENTATION

We can customize wireless charging coil according to Qi standard or your requirements. Please refer to the following feature ranges:

Inductance Range	DC Resistance Range	Dimensions Range	Thickness Range
uH	m	mm	mm
1-100	10-1000	6-200	0.2-10

Tel:0755-28029100 28025880 Fax:0755-28027911 E-mail:mdn@ mdngroup.com.cn