



Wireless Charging

Tx (Transmitting) Coil Units

WT505090-20K2-A10-G

WT505090-10K2-A11-G

WT525225-20K2-A1-G

WT1005690-12K2-A6-G

Wireless Charging

Halogen-free

Overview of Tx Coil Units

FEATURES

- Tx coil units for WPC low-power (5W) specification.
- Got WPC approval for ferrite sheet.
- Thinner flexible ferrite sheet type is available for durable construction.
- Performance had been confirmed based on WPC equipments.

APPLICATION

Various types of battery chargers (WPC compliant)

PART NUMBER CONSTRUCTION

W	T	5252	25	-	20	K2	-	A1	-	G
Wireless charging	Category	L×W Dimensions (mm)		Sheet thickness (mm)		Coil turns	Material	WPC compliant Tx type	Internal code	
	T	5050	50.0×50.0	25	0.25		K2	A1		
	Tx	5252	52.0×52.0	90	0.90			A6		
		10056	100.0×56.0					A10		
								A11		

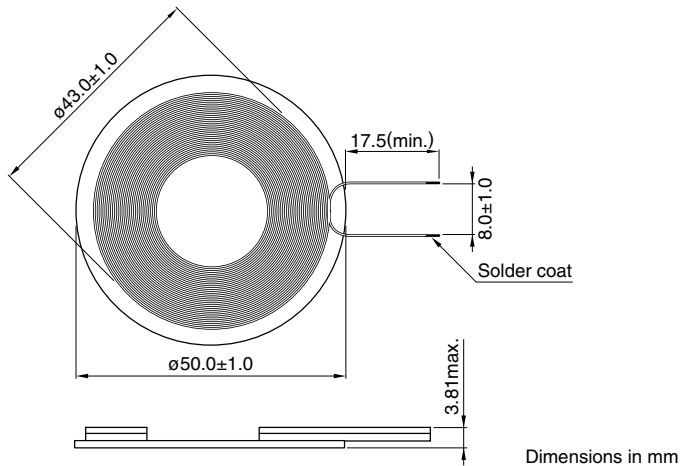
○ Halogen-free: Indicates that Cl content is less than 900ppm, Br content is less than 900ppm, and that the total Cl and Br content is less than 1500ppm.

• All specifications are subject to change without notice.

Tx Coil Units

WT505090-20K2-A10-G

■ SHAPE & DIMENSIONS



■ ELECTRICAL CHARACTERISTICS

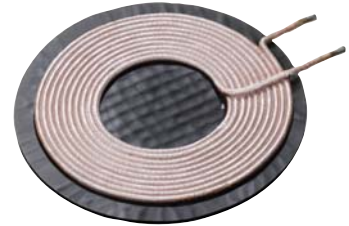
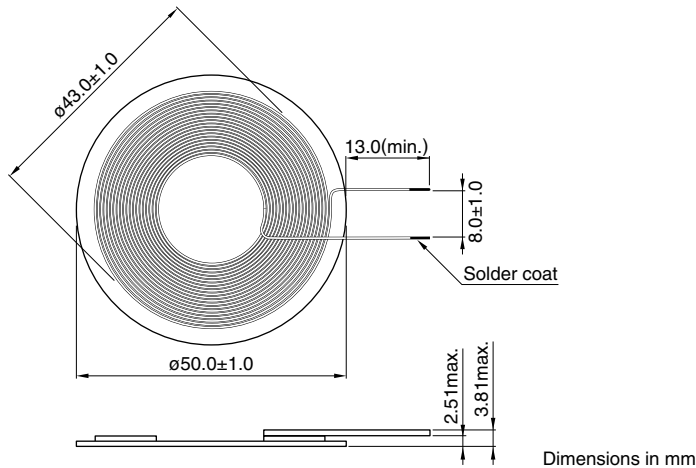
□ CHARACTERISTICS SPECIFICATION TABLE

Part No.	WT505090-20K2-A10-G
WPC Compliant	WPC A10
Input Voltage (V)	19 (A10)
Inductance (μH) [100kHz, 1Vrms]	24
DC resistance (Ω) max. [25°C]	0.10
Ferrite type	Flexible
Magnet (mm)	Nothing
Sheet Size (mm)	ø50
Coil Turns	10ts x 2Layers 20Ts
Thickness of Coil + Sheet (mm) typ.	3.13
Thickness of Incl. I/O (mm) typ.	—
Coil Outer Size (mm) typ.	ø43

Tx Coil Units

WT505090-10K2-A11-G

■ SHAPE & DIMENSIONS



■ ELECTRICAL CHARACTERISTICS

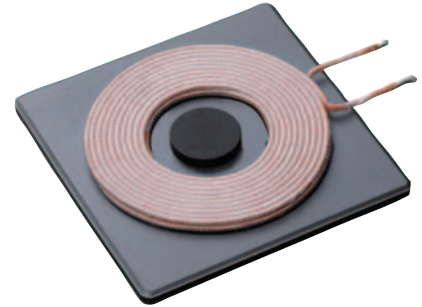
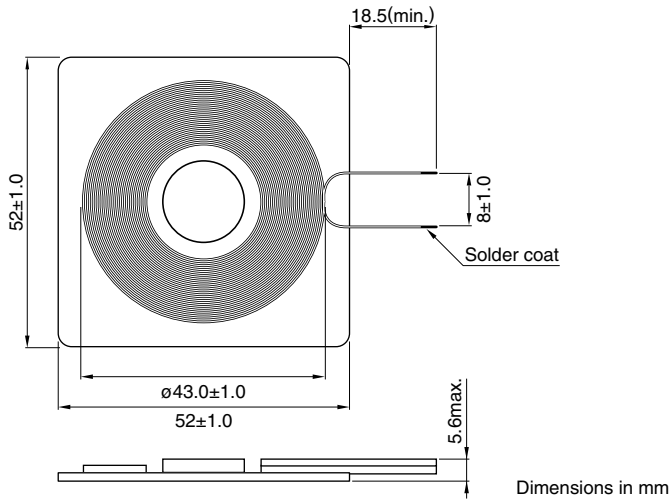
□ CHARACTERISTICS SPECIFICATION TABLE

Part No.	WT505090-10K2-A11-G
WPC Compliant	WPC A11
Input Voltage (V)	5 (A11)
Inductance (μH) [100kHz, 1Vrms]	6.3
DC resistance (Ω) max. [25°C]	0.06
Ferrite type	Flexible
Magnet (mm)	Nothing
Sheet Size (mm)	$\phi 50$
Coil Turns	10ts x 1Layers
Thickness of Coil + Sheet (mm) typ.	2.08
Thickness of Incl. I/O (mm) typ.	3.13
Coil Outer Size (mm) typ.	$\phi 43$

Tx Coil Units

WT525225-20K2-A1-G

■ SHAPE & DIMENSIONS



■ ELECTRICAL CHARACTERISTICS

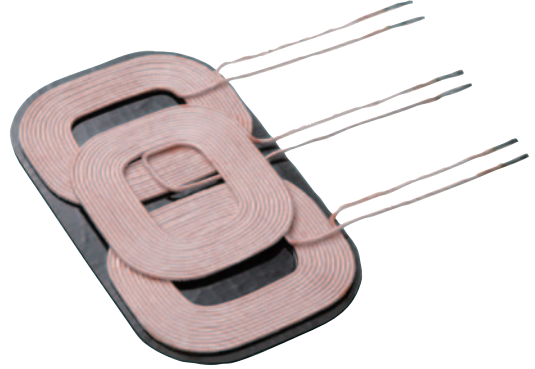
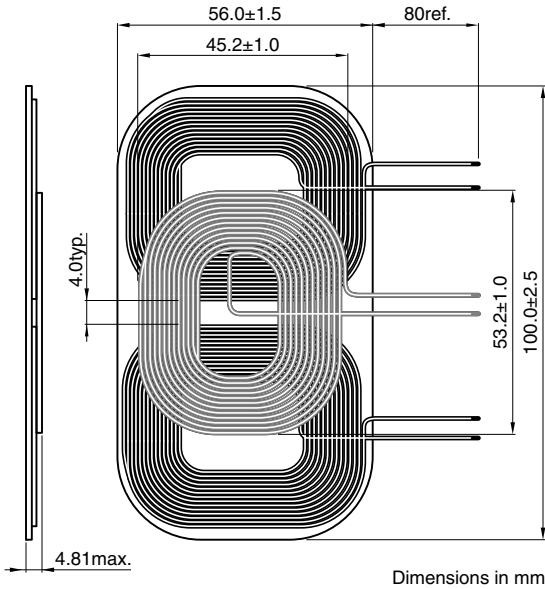
□ CHARACTERISTICS SPECIFICATION TABLE

Part No.	WT525225-20K2-A1-G
WPC Compliant	WPC A1 and WPC A9
Input Voltage (V)	19 (A1), 12 (A9)
Inductance (μH) [100kHz, 1Vrms]	24
DC resistance (Ω) max. [25°C]	0.10
Ferrite type	Solid
Magnet (mm)	Bond Mg 12.5x2.0
Sheet Size (mm)	52.0 x 52.0
Coil Turns	10ts x 2Layers 20Ts
Thickness of Coil + Sheet (mm) typ.	4.63
Thickness of Incl. I/O (mm) typ.	—
Coil Outer Size (mm) typ.	φ43

Tx Coil Units

WT1005690-12K2-A6-G

■ SHAPE & DIMENSIONS



■ ELECTRICAL CHARACTERISTICS

□ CHARACTERISTICS SPECIFICATION TABLE

Part No.	WT1005690-12K2-A6-G
WPC Compliant	WPC A6
Input Voltage (V)	12 (A6)
Inductance (μH) [100kHz, 1Vrms]	11.5 to 12.5
DC resistance (Ω) max. [25°C]	0.08
Ferrite type	Flexible
Magnet (mm)	Nothing
Sheet Size (mm)	100.0 x 56.0
Coil Turns	12ts x 1Layers, 3 coils
Thickness of Coil + Sheet (mm) typ.	Bottom 2.53
Thickness of Incl. I/O (mm) typ.	Top Coil 4.03
Coil Outer Size (mm) typ.	53.2 x 45.2