November 2018

Wireless Power Transfer

Small Rx (Receiving) Coil unit

WR202010-18M8-ID

Wireless Power Transfer

Small Rx (Receiving) coil unit

Product compatible with RoHS directive
Halogen-free

Overview of WR202010-18M8-ID

FEATURES

- Receiving coils for Wireless Power Transfer.
- Flexible sheet type is used.
- Custom design is available based on each design requirements.
- Halogen-free.

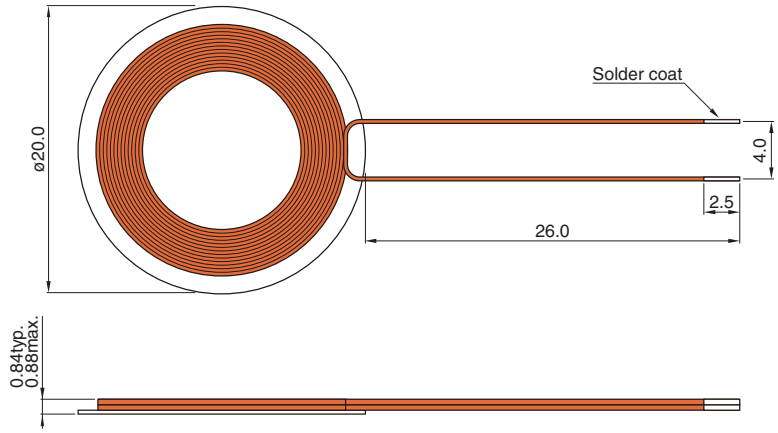
COMBINATION TABLE

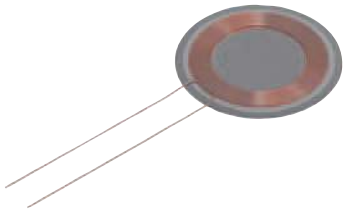
	1W	2W	3W
Rx	WR121210-27M8-ID	WR202010-18M8-ID	WR303050-12F5-ID
Tx	WT151512-22F2-ID	WT202012-15F2-ID	WT303012-12F2-ID

APPLICATION

Smartphones, cellular phones, handheld mobile terminals, DSCs, and Wearable products.

SHAPE & DIMENSIONS





Dimensions in mm

ELECTRICAL CHARACTERISTICS

CHARACTERISTICS SPECIFICATION TABLES

L x W dimensions (mm)	Thickness (mm)max.	Inductance [100kHz, 1Vrms] (μH)	Resistance [100kHz, 1Vrms] (Ω)	Part No.
ø20	0.88	11.0	0.4	WR202010-18M8-ID

* Contact us for more information.

IC REFERENCE INFORMATION

IC	Manufacturer material name	Web
IDT	P9027LP-R	http://www.idt.com/products/power-management/wireless-charging-ics-wireless-power-ics/qi-compliant-wireless-power-transmitter-ics/wp3w-rk-wireless-power-reference-solution-05w-3w-applications

RoHS Directive Compliant Product: See the following for more details.https://product.tdk.com/info/en/environment/rohs/index.html

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.

⚠ Reminders

- Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.).
- Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
- Fully caution, if metal piece contacted with top of coil surface then it could be danger of generated heat.
- Do not use for a purpose outside of the contents regulated in the delivery specifications.
- The products listed on this catalog are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition.

  The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property.

  If you intend to use the products in the applications listed below or if you have special requirements exceeding the range or conditions set forth in the each catalog, please contact us.

(1) Aerospace/aviation equipment
(2) Transportation equipment (cars, electric trains, ships, etc.)
(3) Medical equipment
(4) Power-generation control equipment
(5) Atomic energy-related equipment
(6) Seabed equipment
(7) Transportation control equipment
(8) Public information-processing equipment
(9) Military equipment
(10) Electric heating apparatus, burning equipment
(11) Disaster prevention/crime prevention equipment
(12) Safety equipment
(13) Other applications that are not considered general-purpose applications