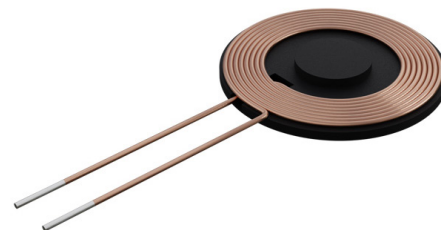


SERIES: WTSC | DESCRIPTION: CIRCULAR WIRELESS CHARGING COIL

FEATURES

- Core peeling and breakage tolerance: permitted within $\leq 5\text{mm}$ in length, $\leq 1\text{mm}$ in width, and $\leq 0.5\text{mm}$ in depth
- Core cracks: maximum of two minor, inconspicuous cracks allowed, each measuring less than 5mm in length and 0.5mm in width.
- Core surface flatness tolerance: acceptable deviation in height limited to $\leq 0.03\text{mm}$



MODEL

MODEL	Inductance (Lo)	Tolerance	DC Resistance (DCR)	AC Resistance ¹ (ACR)	Tolerance
	typ [μH]	typ [$\pm \%$]	max [$\text{m}\Omega$]	typ [$\text{m}\Omega$]	typ [$\pm \%$]
WTSC-2R76J-A11	2.76	5	80	150	10

Notes:

- The test fixture and test method significantly impact the output results of ACR. (Refer to the test image.) A measurement deviation of up to 5% is permissible, in accordance with the original specification.
- Electrical specifications measured at 25°C / RH 65% unless otherwise stated.

PART NUMBER KEY

WTSC - 2R76J - A11

Type / Product Series

W = Wireless
T = Transmitter
S = Single Winding
C = Circular Charging Coil

Standard Code or Other

Inductance Tolerance
J = $\pm 5\%$

Inductance *

2R76 = 2.76 μH

* Note: Inductance expressed by three figures. The unit is micro henry (μH). The first and second figures are significant digits, the third figure expresses the number of zeros which follow the two figures. If there is a decimal point, it is expressed by the capital letter "R" (2R76 = 2.76 μH). In that case, all figures are significant digits.

SAFETY AND COMPLIANCE

Parameter	Compliant
RoHS	Compliance with ROHS

ENVIROMENTAL

Parameter	Conditions	Min	Typ	Max	Units
Operating temperature ³		-40		105	°C

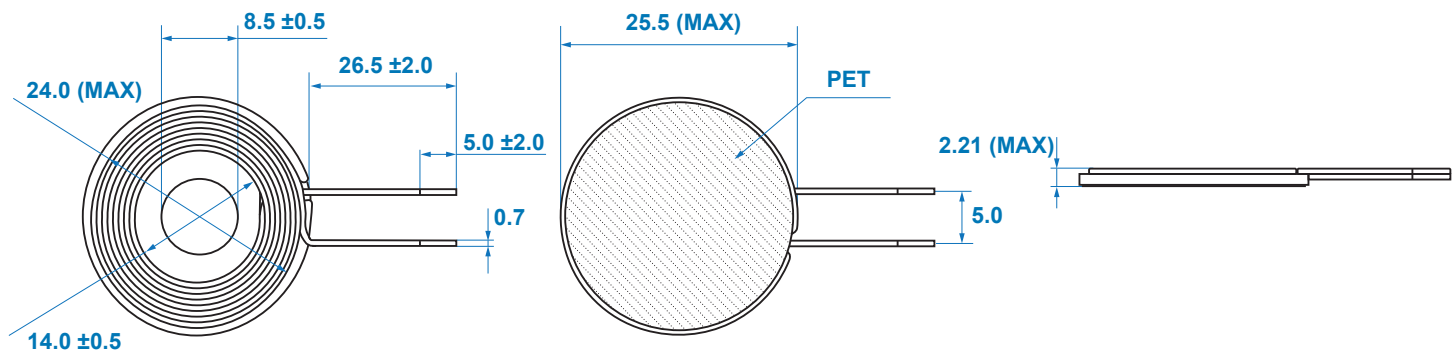
Notes:
3. The operating temperature applies exclusively to the electrical and structural characteristics of inductive components.

MECHANICAL

Parameter	Conditions	Min	Typ	Max	Units
Turns	8TS Ø 0.06x50P				
Dimensions	25.5 x 2.21				mm
Weight			3.42		g

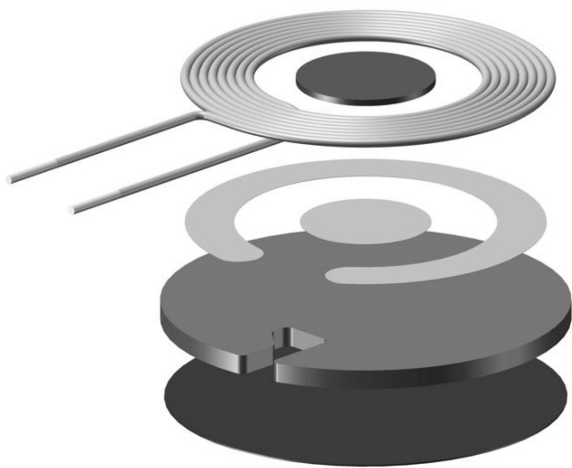
MECHANICAL DRAWING

Units: mm



Notes:
4. PET film cleaning:
i) No folding on the PET.
ii) No more than 3 bubbles on single side of film while the area of single bubble shall not be more than 2mm.

COIL UNIT ASSEMBLY



REVISION HISTORY

Rev.	Description	Date
1	initial release	June/17/2025

NUCLEAR AND MEDICAL APPLICATIONS - Products are not designed or intended for use as critical components in life support systems, equipment used in hazardous environments, or nuclear control systems.

TECHNICAL REVISIONS - The appearance of products, including safety agency certifications pictured on labels, may change depending on the date manufactured. Specifications are subject to change without notice.



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