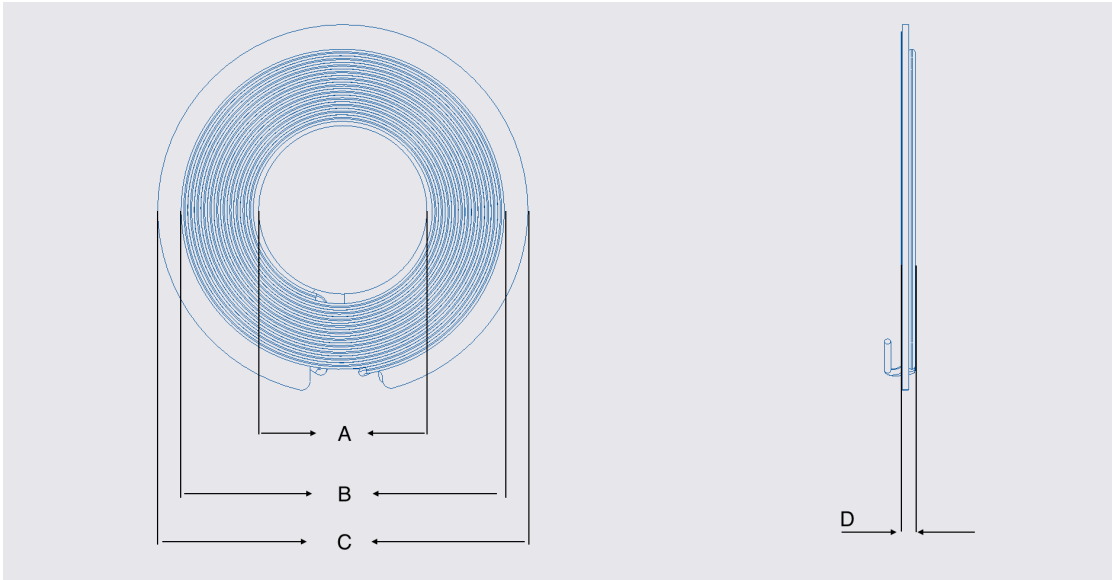


Nu328 COIL MODULE - TECHNICAL SPECIFICATION

Part name	Nu328 Coil Module	Model	Nu328	Code	TNU328MPPCOIL
Revision	T01	Drawing date	2026/03/19	Unit	mm
Drawing mark	NuVolta	Manufacturer		Address	

1. Overall Dimensions (Unit: mm)



Symbol	Feature	Standard	Tolerance	Notes
A	Coil inner diameter	Ø20.40	±0.25	Winding specification
B	Coil outer diameter	Ø39.00	±0.80	Winding specification
C	Ferrite outer diameter	Ø42.90	±0.50	Assembly envelope
D	Assembly thickness	1.65	±0.15	Coil + ferrite + adhesive

2. Electrical Performance

Project	Standard	Test conditions	Test instrument	Remarks
Inductance (L)	8.1 µH ±5%	100 kHz / 1.0 V	YH5265	Supplier drawing specification
Resistance (DCR)	≤70 mΩ	Not stated	CD1068	Supplier drawing specification
Turns	11T	Not stated	TH-200	Winding: Ø20.40 x Ø39.00
Q value	≥60	100 kHz / 1.0 V	YH5265	Supplier drawing specification

3. Construction and Environmental Requirements

Item	Specification	Material / Notes
Coil wire	0.08 x 65P hot-air wire	Parallel lead exit
Ferrite layers	Bottom t=0.75 ±0.05; middle t=0.75 ±0.05	PC40 / Mn-Zn
Adhesive stack	PET 0.05 ±0.01; conductive cloth 0.10 ±0.01	Combined 0.15 ±0.02
Operating temperature	-30 °C to 80 °C	Source drawing requirement
Storage temperature	-40 °C to 90 °C	Source drawing requirement
Compliance	RoHS 2.0	Source drawing requirement

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