

Product Specification Sheet



Specification Number	2024012024002
Effective Date	2024/12/24

Customer Name	Xiang Si Chuang
Product Type	Three-in-One Ultra-thin Coil
Dingzhi Part Number	TX-DZ43.508005-K6.8-L55 (Dual Slot)
Customer Part Number	

[New Release , Revision] [This specification includes the table of contents, totaling 7 pages] [RoHS Compliant Parts]

Prepared by	Reviewed by	Approved by
Zhong Jianli	/	Ma Xiangping

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Please sign and return this approval sheet within 30 days of receipt. Failure to do so will be deemed as acceptance of this approval sheet's standards for production.

[Customer Approval]

Date:

Approval Status: Full Approval Conditional Approval Approval Denied

Approved by	Reviewed by	Re-inspection by	Inspected by

Remarks:

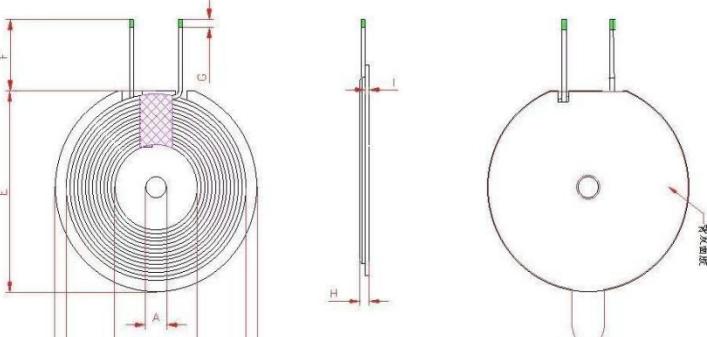
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Customer Name	Xiang Si Chuang	Customer Part Number	
Dingzhi Part Number	TX-DZ43.508005-K6.8-L55 (Dual Slot)	Specification Number	2024012024002

Issue/Revision Record

Version	Effective Date	Change Content/Reason	Approved by
01	2024/12/24	New Specification Release	Ma Xiangping
Prepared by	Reviewed by	Approved by	
Zhong Jianli	/	Ma Xiangping	

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Customer Name	Xiang Si Chuang		Customer Part Number					
Dingzhi Part Number	TX-DZ43.508005-K6.8-L55 (Dual Slot)		Specification Number	2024012024002	Version	01		
♦ External Dimensions						(Unit: mm)		
						A 5.3 ± 1.5		
						B 13.8 ± 1.5		
						C 38.0 ± 1.5		
						D 43.5 ± 1.0		
						E 43.0 ± 1.0		
						F 55.0 ± 3.0		
						G 3.0 ± 2.0		
						H 1.4 ± 0.3		
						I 0.50 ± 0.2 (Magnetic Sheet Thickness)		
<p>(1) Wire Diameter: 0.25*4P Enamelled Wire (2) Number of Coil Turns: 12TS (3) Start and End Wires Crossed: Yes (4) Coil wrapped with 6mm wide high-temperature tape (5) Coil to be centered and adhered to the magnetic sheet (6) White adhesive applied to the back of the magnetic sheet </p>								
♦ Electrical Characteristics:								
Parameter	Specification		Test Condition	Test Instrument				
L0	$6.8 \pm 10\%$	μH	100KHz/1V	■ TH1816B				
Q	>20	min	100KHz/1V	■ TH1816B				
DCR	<120	$\text{m}\Omega$	@ 25°C	■ CH-502BC				
♦ Temperature Rating:								
Operating Temperature	-40°C~125°C							
♦ Bill of Materials:								
No.	Item Name	Material Specification	Supplier	Remarks				
1	Magnetic Sheet	43.5*8*0.5T Dual Slot	PC40 MnZn Ferrite					
2	Copper Wire	0.25*4P		Enamelled Wire				
3	High-Temperature Tape	6MM	Eco-friendly Tape					
4	Adhesive	White Adhesive	Eco-friendly Adhesive Tape					
5	Tin	107H	Qiandao Eco-friendly Solder					
6	Adhesive	Yellow Adhesive	Eco-friendly Glue					
Prepared by		Reviewed by		Approved by				
Zhong Jianli		/		Ma Xiangping				