

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:

Product Specification Sheet

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	
<div>◆ External Dimensions</div> <div></div>							(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)	
							(1) Wire Diameter: 0.25*4P Enameled 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		
							◆ Electrical Characteristics:		
Parameter		Specification		Test Condition		Test Instrument			
L0		6.8 ±10% μH		100KHz/1V		■ TH1816B			
Q		>20 min		100KHz/1V		■ TH1816B			
DCR		<120 mΩ		@ 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				Enameled 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	