

CUSTOMER _____

CUSTOMER' S P/N _____

DESCRIPTION Power Inductor

SGTE PART NO. PK0810-220M

SAMPLE NO. S21042703 REVISION NO. A0 DATE 2021/4/27

SPECIFICATION FOR APPROVAL

FULLY APPROVED	REVISE APPROVED

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SPECIFICATION

**RoHS
COMPLIANT**

Customers Part Number	Item Name	Date	
	Power Inductor	2021/4/27	
Gan Tong Part NO.	Sample NO.	Revision No.	A0
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Version	Change history	Before the change	After the change	Release date
A0	NEW	—	—	2021/4/27

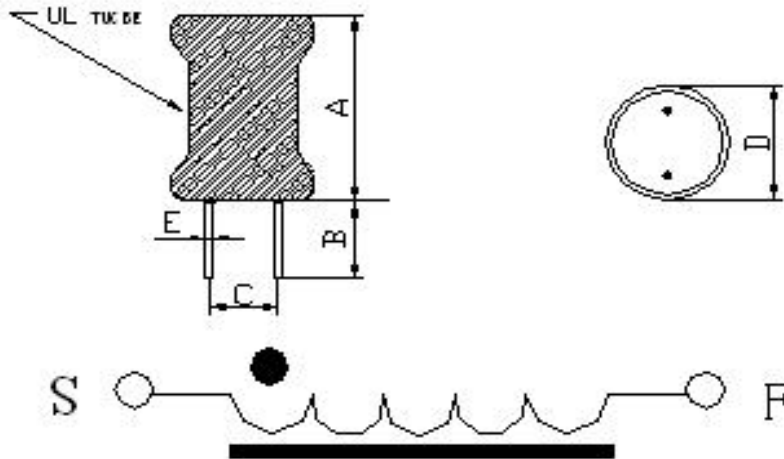
DRAWN BY	CHECKED BY	APPROVED BY
谭国继	王 康	田 一

SPECIFICATION

**RoHS
COMPLIANT**

Customers Part Number	Item Name	Date	
	Power Inductor	2021/4/27	
Gan Tong Part NO.	Sample NO.	Revision No.	A1
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MECHANICAL & DIMENSIONS



(UNIT: mm)	
A	13.0 MAX
B	10.0 Min
C	5.0±1.0
D	9.0MAX
E	0.65±0.05

ELECTRICAL REQUIREMENTS:

PARAMETER	SPECIFICATION	CONDITION	TEST INSTRUMENTS
L	22uH ±10%	1KHz/0.25V	■LCR Agilent4284A / Chroma 11300
DCR	68mΩ Max	@ 25°C	■CH16502 IMPEDANCE METER
I-sat	2.7A mps	≧70% LOA	■A4284A+A42841A LCR METER

WINDING: WIRE TYPE: 0.50mm26Ts(REF)

·I rms: Current that causes a 40°C temperature rise from 25°C ambient.

·I sat: DC current at which the inductance drops 20% from it' s value without current.

·All test Data is referenced to 25°C ambient.

·Operating Temperature Range: -25°C to +85°C.

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Electrical Characteristic :

PARAMETER	L	DCR	I-sat		
UNIT	mH	0	uH		
SPECIFICATION	22uH ±10%	68mΩ Max	≥ 70% LOA		
CONDITION	1KHz/0.25V	@ 25°C	2.7A mps		
1	23.20	49.50	21.50		
2	23.30	49.80	21.46		
3	23.50	50.20	21.48		
4	23.20	49.30	21.52		
5	23.40	49.30	21.42		
6					
7					
8					
9					
10					
MEAN	23.32	49.62	21.48		
R	0.30	0.90	0.10		

External Dimensions:

NO	A	B	C	D	E		
	13.0 MAX			9.0MAX			
1	11.29			8.71			
2	11.28			8.72			
3	11.19			8.69			
4	11.21			8.72			
5	11.25			8.71			
6							
7							
8							
9							
10							
MEAN	11.24			8.71			
R	0.10			0.03			

Inductance measured at 1KHz/0.25Vrms..

Electrical specifications at 25±5°C. Humidity 60±10%

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RoHS
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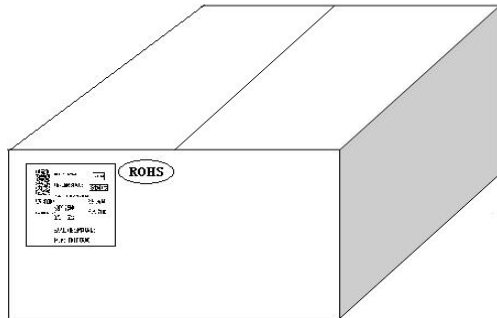
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PACKAGING



1 PE Bag =250PCS

PE袋



Quantity Carton: 5000PCS

Storage

1. Temperature and humidity conditions: Less than 40°C and 70% RH.
2. Recommended products should be used within 6 months from the time of delivery.
3. The packaging material should be kept where no chlorine or sulfur exists in the air.

Transportation

1. Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
2. The use of tweezers or vacuum pick up is strongly recommended for individual components.
3. Bulk handling should ensure that abrasion and mechanical shock are minimized.