

# 产品承认书

## SPECIFICATION FOR APPROVAL

CUSTOMER:	_____
CUSTOMER P/N:	_____
CND-TEK P/N. :	MA020G00
DESCRIPTION:	SMD PULSE TRANSFORMER
REF NO:	QTC-003
REV/NO:	A/0
DATE:	2022/05/18

ATTACHMENT:			
<input checked="" type="checkbox"/>	SPECIFICATION		
<input checked="" type="checkbox"/>	SAMPLE	Q'TY OF SAMPLES	PCS

	√	CUSTOMER'S SIGNATURE	REMARK
FULL APPROVED			
CONDITIONAL APPROVED			
REJECTED			



**MA020G00**

**SMD PULSE TRANSFORMER**



V1.0.1  
May 18,2022



**深圳磁联达电子有限公司**

**Shenzhen CND-TEK Electronics Co.,Ltd**

公司地址: 深圳市南山区西丽镇街道百旺社区牛城村牛城路221号505

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Email: sales2@cd-tek.com

Http: //www.cd-tek.com

# 1. FEATURES:

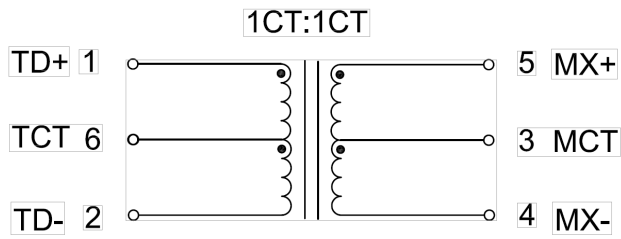
- 1.1 Meets IEEE 802.3at Standards.
- 1.2 Designed For 10G BASE-T Applications, Surface Mount Type.
- 1.3 Operating Temperature Range: -40 °C to +85 °C.
- 1.4 RoHS Compliant.

# 2. ELECTRICAL SPECIFICATIONS @25C°

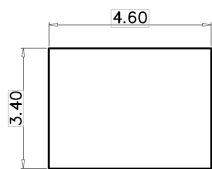
- 2.1 Turns Ratio ( $\pm 5\%$ ): 1CT:1CT
- 2.2 OCL( $\mu\text{H}$  Min) [100kHz/0.1V] With 10.BmA DC Bias : 120
- 2.3 CWW(pF Max)@100KHz,0.1V:35
- 2.4 DC Resistance ( $\Omega$ ) max: 1.20
- 2.5 Return Loss(dB Min):
  - 20.5@1-100MHz
  - 20.5+20.75\*Log(F/40)@100-200MHz
  - 12@200-300MHz
  - 9.5@300-400MHz
  - 7.5@400-500MHz
- 2.6 Insertion Loss (dB Max):
  - 0.5@1-65MHz
  - 0.8@65-125MHz
  - 2.0@125-400MHz
  - 4.5@400-500MHz
- 2.7 HI-POT (Vrms): 1500

DRAWN BY:	CHECKED BY:	APPROVED BY:	CUSTOMER:
zouwenqiang	Liyonghua	wangshengli	PART NO. : MA020G00
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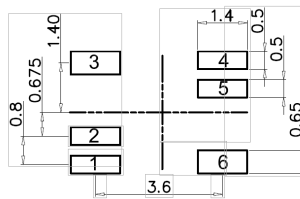
### 3. SCHEMATICS:



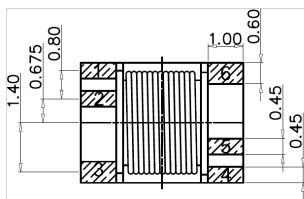
### 4. DIMENSIONS & MARKING:



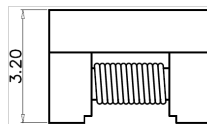
TOP VIEW



SUGGEST LAYOUT



BOTTOM VIEW



FRONT VIEW

Unless otherwise specified all tolerances are:±0.25 in mm

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APPROVED BY:

CUSTOMER:

zouwenqiang

Liyonghua

wangshengli

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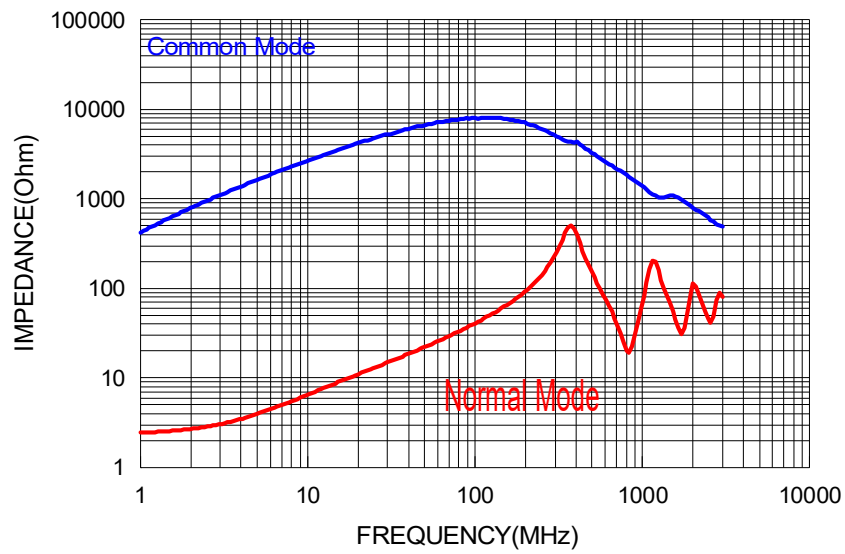
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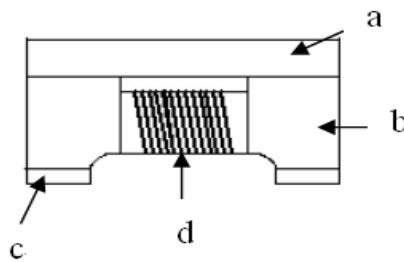
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## 5. Typical Impedance v.s. Frequency Curve:



## 6. Materials:

No.	Description	Specification
a.	Upper Plate	Ferrite
b.	Core	Ferrite Core
c.	Termination	Tin (Pb Free)
d.	Wire	Enameled Copper Wire



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