

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

TEL: 86-755-29016433 FAX:86- 755-27652977

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1. FEATURES:

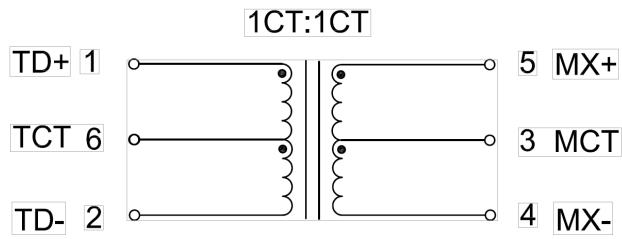
- 1.1 Meets IEEE 802.3at Standards.
- 1.2 Designed For 10G BASE-T Applications, Surface Mount Type.
- 1.3 Operating Temperature Range: -40 °C to +85 °C.
- 1.4 RoHS Compliant.

2. ELECTRICAL SPECIFICATIONS @25C°

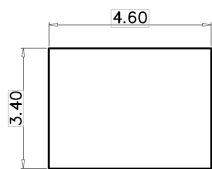
- 2.1 **Turns Ratio** ($\pm 5\%$): 1CT:1CT
- 2.2 **OCL(uH Min)** [100kHz/0.1V] With 10.BmA DC Bias : 120
- 2.3 **CWW(pF Max)**@100KHz,0.1V:35
- 2.4 **DCResistance (Ω) max:** 1.20
- 2.5 **Return Loss(dB Min):**
 - 20.5@1-100MHz
 - 20.5+20.75*Log(F/40)@100-200MHz
 - 12@200-300MHz
 - 9.5@300-400MHz
 - 7.5@400-500MHz
- 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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			PAGE: 3 OF 5

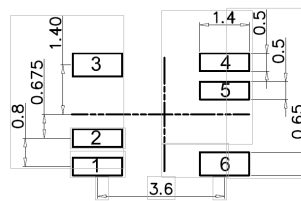
3. SCHEMATICS:



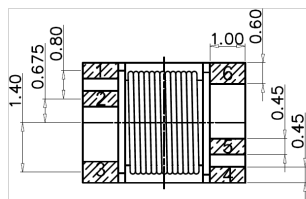
4. DIMENSIONS & MARKING:



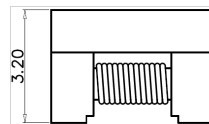
TOP VIEW



SUGGEST LAYOUT



BOTTOM VIEW



FRONT VIEW

Unless otherwise specified all tolerances are:±0.25 in mm

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CUSTOMER:

zouwenqiang

Liyonghua

wangshengli

PART NO. :MA020G00

CND-TEK

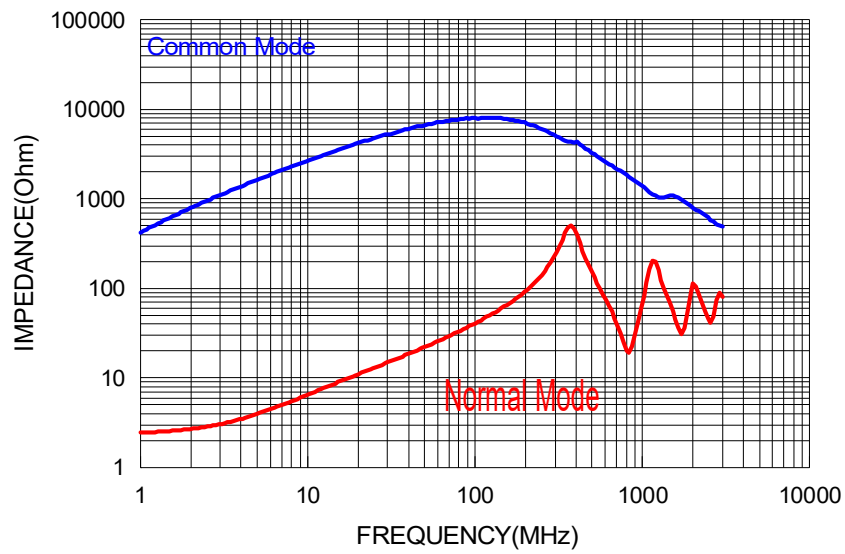
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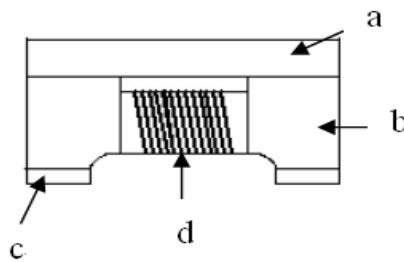
CND-QTC-003

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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