产品承认书

SPECIFICATION FOR APPROVAL

CUSTOMER：	
CUSTOMER P/N：	
CND-TEK P/N. :	CB0608S
DESCRIPTION：	100 BASE-T1 BMS Transformer
REF NO:	QTC-002
REV/NO:	A/0
DATE:	2023/03/02

ATTACHMENT：

■ SPECIFICATION

■ SAMPLE　Q'TY OF SAMPLES　　PCS

	√	CUSTOMER'S SIGNATURE	REMARK
FULL APPROVED			
CONDITIONAL APPROVED			
REJECTED			

CB0608S

100 BASE-T1 BMS Transformer

V1.0.2 Feb 2,2021

深圳磁联达电子有限公司

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1. FEATURES:

1.1 One channel with choke

1.2 Supports serial daisy chain / IsoSPI

1.3 Holds reference designs with Analog,Device's Model LTC6804-1/6811 and NXP's MC33771/33772

1.4 Operating temperature: -40 to +125 °C

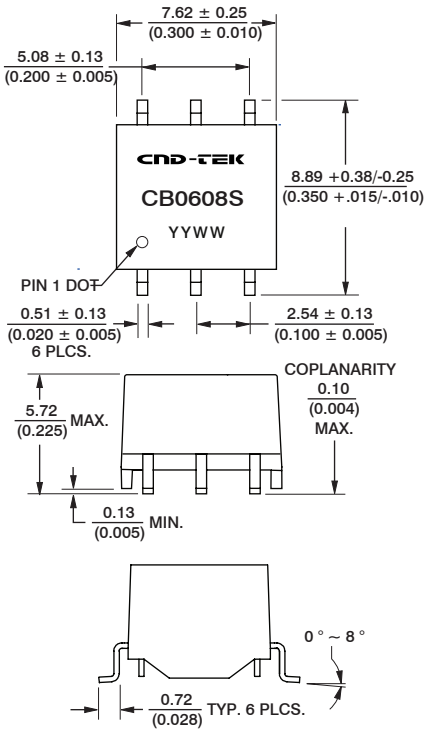
1.5 1000 Vdc working voltage

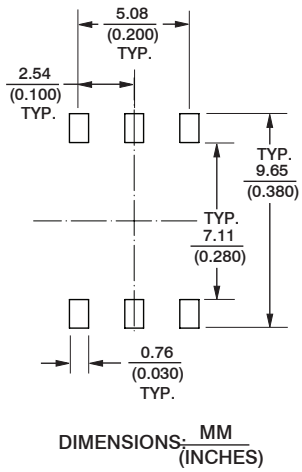
1.6 Hi-Pot: 4300 Vdc

1.7 AEC-Q200 compliant

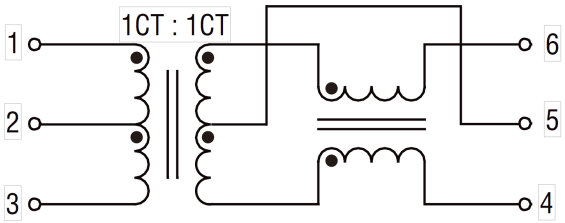
1.8 RoHS compliant

2. DIMENSIONS & MARKING





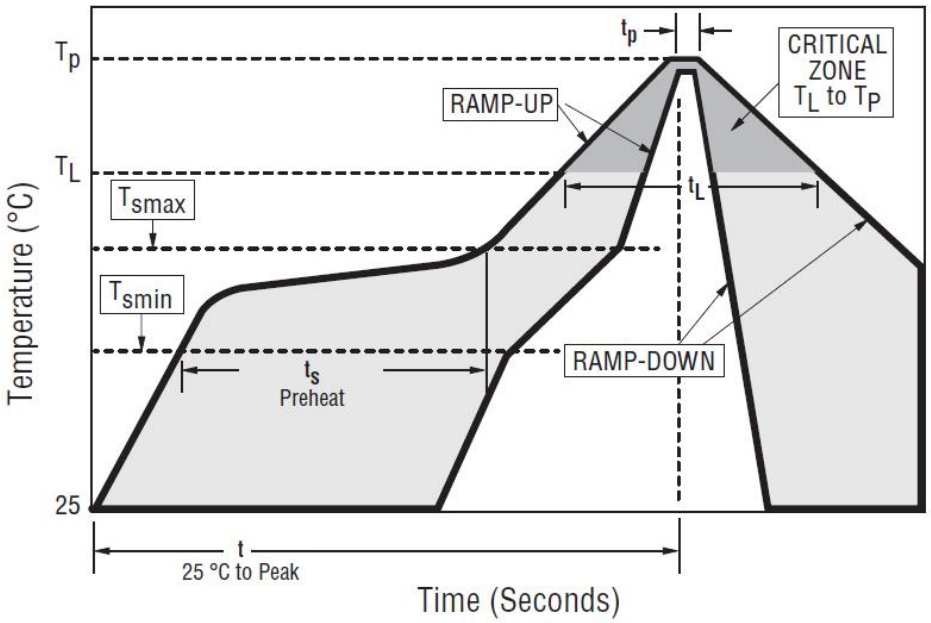
3. SCHEMATICS:



4.ELECTRICAL SPECIFICATIONS @25℃

4.1 Inductance OCL(-40℃~+125℃):	150μH Min 450μH Max @ 100KHz 0.1V
4.2 Leakage Inductance:	0.50μH Max @ 100KHz 0.1V
4.3 DC Resistance:	Transformer Side: 0.45Ω max. CM Choke Side: 0.85 Ω max.
4.4 Turns Ratio:	1CT : 1CT±2%
4.5 Insertion Loss:	4 MHz -0.25dB Max
4.6 Return Loss (Z out = 100 ohms)：	4 MHz -22dB Min
4.7 Common Mode Rejection Ratio:	1-100 MHz -35dB Min 100-200 MHz -28dB Min
4.8 Return Loss (Z out = 100 ohms)：	4 MHz -22dB Min
4.9 Common Mode Rejection Ratio：	1-100 MHz -35dB Min 100-200 MHz 28dB Min
4.10 Hi-Pot：	4300 VDC 1 mA, 60 sec.
4.11 Working Voltage：	1000 Vdc
4.12 Design Construction：	Functional insulation
4.13 Operating Temperature Range：	-40℃~+125℃
4.14 Storage Temperature Range：	-50℃~+125℃
4.15 Moisture Sensitivity Level：	MSL 1

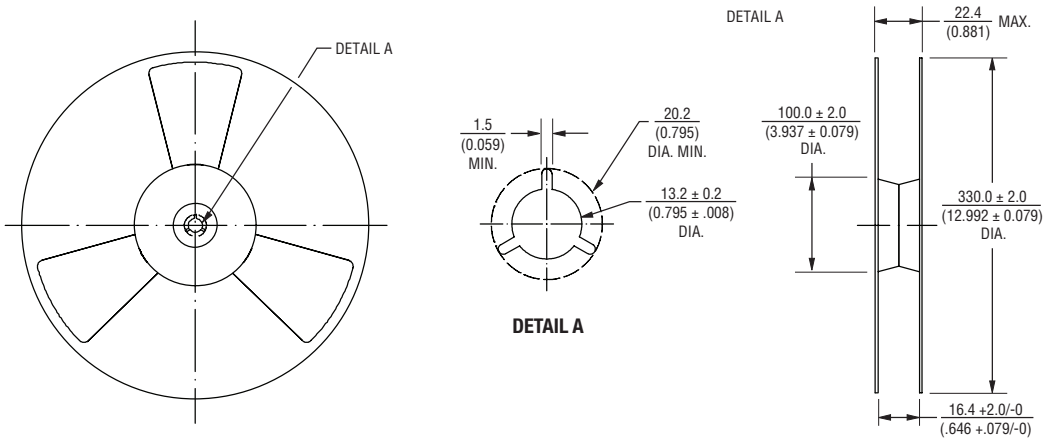
5. Recommended Lead Free IR Reflow Soldering Curve：

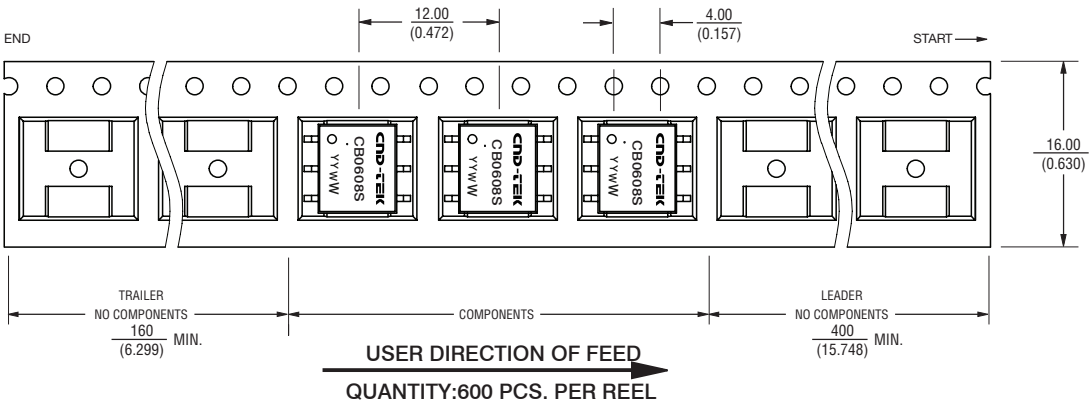


5.1 Profile Feature	Pb Free Assembly
5.2 Average Ramp Rate (TSmax to TP)	3°C/second max.
5.3 Preheat- Temperature Min. (TSmin)	150℃
5.4 Preheat- Temperature Max. (TSmax)	200℃
5.5 Preheat- Time (tsmin to tsmax)	60-180 seconds
5.6 Time Maintained Above - Temperature (TL) Time	217℃
5.7 Maintained Above - Time (tL)	60-150 seconds
5.8 Peak Temperature (Tp)	245℃~250℃
5.9 Time within 5 °C of Actual Peak Temperature (tp)	20-40 seconds
5.10 Ramp-Down Rate	6℃/second max.
5.20 Time 25 °C to Peak Temperature	8 minutes max.

Packing Specification

Packaging Specifications





DIMENSIONS: MM (INCHES)