



Part Name: BMS Transformer/CMC

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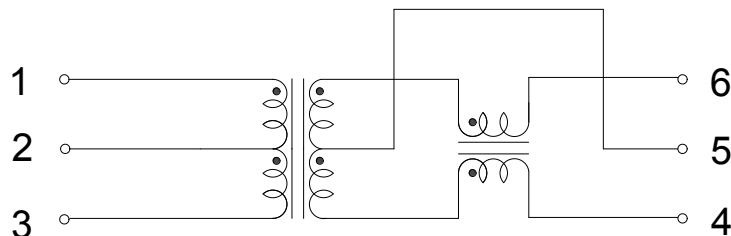
Feature

- Comply with RoHS requirements.
- Compliant to J-STD-020: level 1,no moisture sensitive.(Tp: 250°C Max.)
- Operating temperature range: -40°C to +125°C.
- Storage temperature range: -50°C to +125°C.
- Product scrap disposal based on the local laws and regulations.

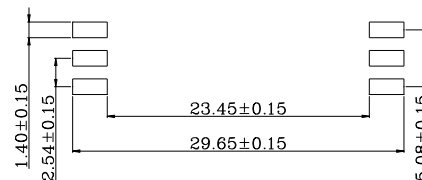
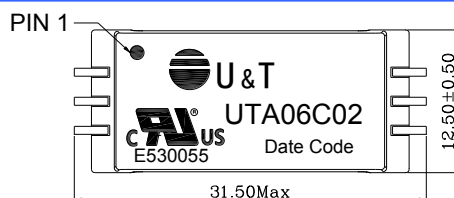
Electrical Specifications @ 25°C

OCL:	150uH Min,450uH Max. @100KHz/0.1V (-40°C to +125°C)
Leakage Inductance:	0.5uH Max. @100KHz/0.1V
Turns Ratio:	1:1±2%
DCR:	0.45 ohm Max. @Transformer side
	0.80 ohm Max. @CM choke side
Insertion Loss:	-1.2dB Max.@4MHz
Return Loss:	-6dB Min @4MHz (Z out= 100 Ω)
CMRR:	-50dB Typ @1-100MHz
Hi-Pot :	6000VDC or 4500VAC,1mA,60S
Design Construction:	Reinforced insulation per IEC62477-1,IEC60664-1.IEC62368-1; Working voltage up to 1500VDC;Creepage distance>15mm,Clearance distance>14mm. Pollution Degree II ,Material group CTI I ;Overvoltage Category III,up to 2km or 4km(IEC60664) above sea level.

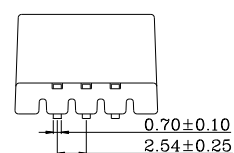
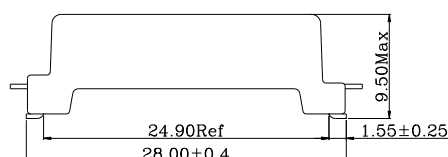
Schematic



Mechanical



SUGGESTED PAD LAYOUT



1. Unit: mm.

2. Coplanarity:0.10Max