

CMT78G6N

隔离变压器



1. 产品特点

变压器 CMT78G6N 与 CMP6713R/CMP6713RE/CMP6713HV/CMP6793REB/CMP6793RE 配套使用，可以实现 24V 输入, 15V 输出，功率不大于 6W 隔离非稳压电源，可以用于各类隔离供电场合。

2. 典型应用

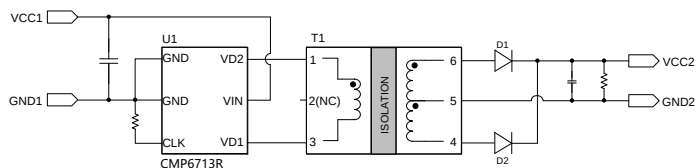


图1. CMP6713R 单路输出

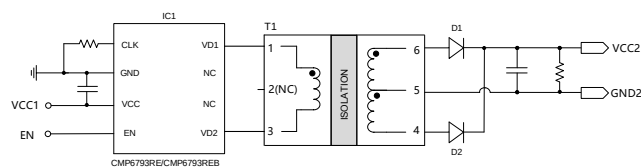


图2. CMP6793RE/CMP6793REB 单路输出

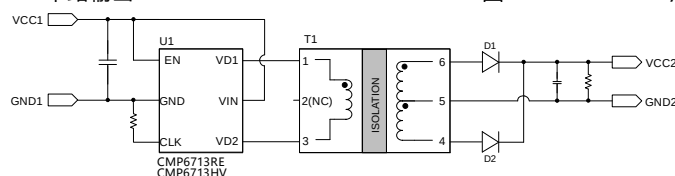


图3. CMP6713RE/CMP6713HV 单路输出

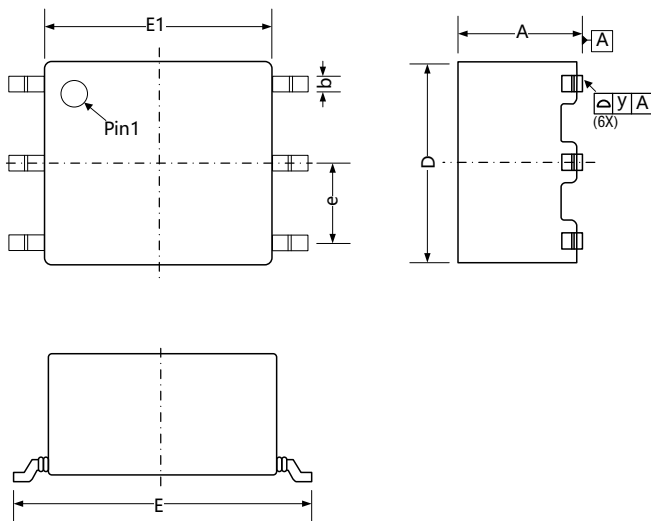
3. 适配范围

型号	VCC1(V)	VCC2(V)	Po(W)	耐压(kVrms)	推荐原理图
CMT78G6N	24	15	6	2.5	图1-3

4. 电气特性 (25°C)

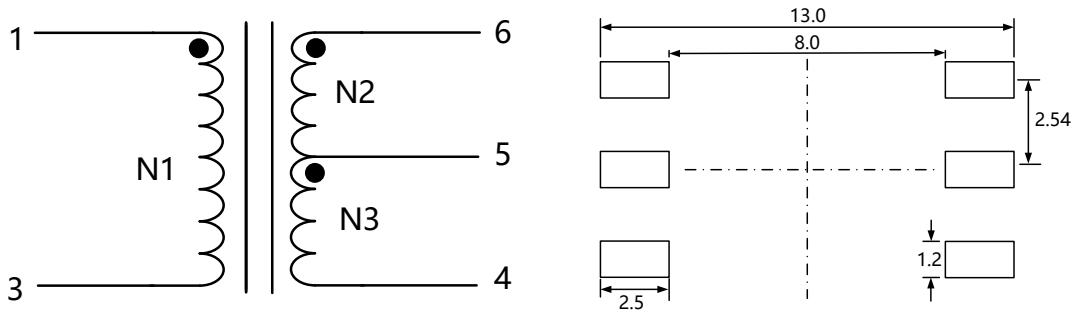
序号	测试项目	测量端子	测试条件	规格			单位
				最小值	典型值	最大值	
1	电感量	1-3	10kHz, 0.1V	0.78	1.2		mH
2	DCR	1-3				0.65	Ω
3	DCR	6-5/5-4				0.58	Ω
4	耐压等级	1-3 to 6-4	1mA, 60S	2500			VAC
5	匝比	1-3:6-5:5-4			1:0.65:0.65		
6	工作温度	包含磁芯温升		-40		105	°C

5. 外形 (mm)



	MILLIMETER(mm)		
	MIN	NOM	MAX
A	5.70	6.00	6.30
b	0.50	0.60	0.70
D	8.30	8.60	8.90
E	12.2	12.50	12.80
E1	9.10	9.40	9.70
e	2.54 BSC		
y			0.10

6. 原理图及推荐焊盘尺寸 (mm)



Technical drawing of a 5-spoke wheel assembly, showing three views: a side view, a front view, and a detail view of the hub.

Side View Dimensions:

- Overall width: 4.0 ± 0.1
- Distance from centerline to the first spoke: 2.0 ± 0.1
- Spoke diameter: $\varnothing 1.5^{+0.1}_{-0.0}$
- Spoke thickness: 1.75 ± 0.1
- Hub thickness: F
- Overall height: W
- Spoke pitch: P
- Hub offset: AO

Front View Dimensions:

- Spoke width: BO
- Spoke thickness: T
- Spoke width: KO

Detail View Dimensions:

- Hub diameter: $\varnothing C1$
- Hub thickness: 10.75 ± 0.2
- Hub width: 2.3 ± 0.2
- Hub offset: 2.3 ± 0.3
- Hub height: H
- Hub diameter: D

Scale: M SCALE: 10:1

第3页/共3页