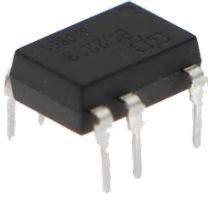

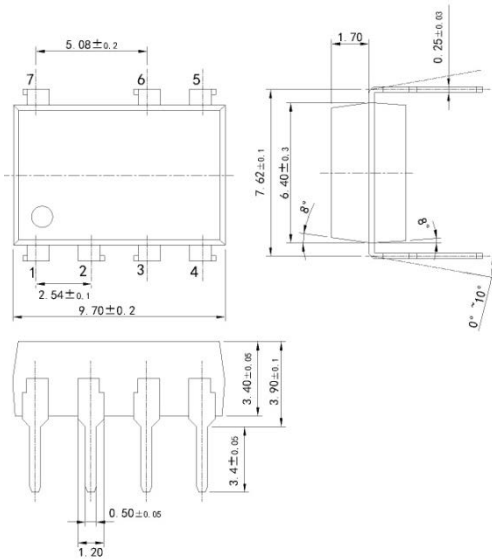


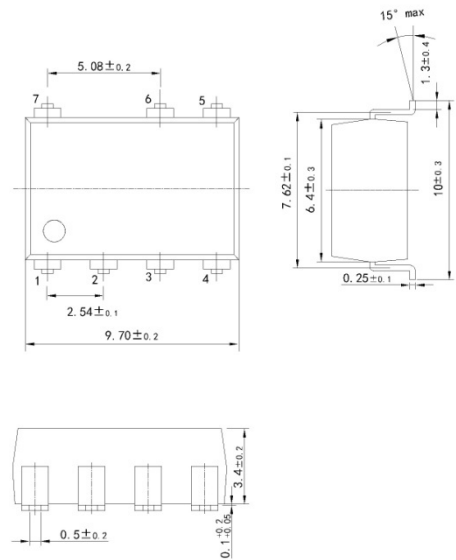
BC2213/BC2223、BC3213/BC3223 型光可控硅继电器

产品图片	Features 产品特性	Application 应用	订货示例
 <p>DIP7</p>	<ul style="list-style-type: none"> ● Contact Form 触点形式 1a ● Load Voltage 输出电压 110/220VAC ● Load Current 输出电流 0.9/1.2A ● Operation LED Current 二极管导通电流 50mA MAX ● Load Operation voltage 输出导通电压降 1.3/1.1V ● Low Off-State Leakage Current 漏电流 100μA 	<ul style="list-style-type: none"> ● Main business lines domestic appliance 主要适用于家用电器 ● Air-conditioning 空调 ● Washing machine 洗衣机 ● Fridge 电冰箱 ● Intelligent Home 智能家居 	<ul style="list-style-type: none"> ● BC2213 BC3213 过零型 ● BC2223 BC3223 随机型
 <p>SMD7</p>			<ul style="list-style-type: none"> ● BC2213A BC3213A 过零型 ● BC2223A BC3223A 随机型

Dimensions 外形尺寸

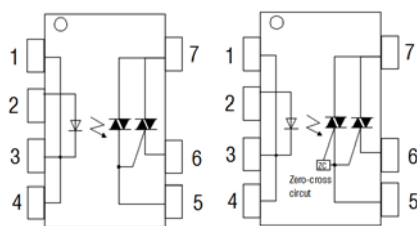


DIP7



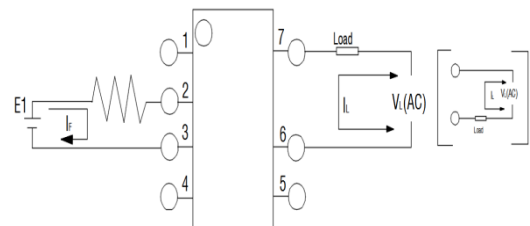
SMD7

Terminal Identification 引脚标识 Wiring Diagram 接线图



随机性

过零型



BC2213/BC2223、BC3213/BC3223 型光可控硅继电器

Technical parameters 技术参数 (Ambient Temperature 25°C)

I/O Absolute Maximum Ratings 输入输出电气参数最大值

Item 项目	Symbol 符号	Specifications 型号规格		Units 单位
		BC2213 (A) /BC2223 (A)	BC3213 (A) /BC3223 (A)	
Operating Temperature 工作温度	T _{opr}	-30~+85		°C
Storage Temperature 储存温度	T _{stg}	-40~+125		°C
Forward Current 输入电流	I _F	50		mA
Input Peak Forward Current 输入峰值电流	I _{FP}	1		A
Reverse Voltage 反向电压	V _R	6		V
Repetitive peak OFF-state voltage 瞬态电压	V _{DRM}	600		VDC
Output ON-state RMS current 输出电流	I _{T(RMS)}	0.9	1.2	A
Non-repetitive surge current 浪涌电流	I _{TSM}	9	12	A
I/O Breakdown Voltage 输入输出隔离电压	V _{iso}	5000		VAC

Electrical Specifications 输入输出电气参数

Item 项目	Symbol 符号	MIN. 最小值	TYP 典型值		MAX. 最大值	Units 单位	Conditions 条件
			BC2213 (A) BC2223 (A)	BC3213 (A) BC3223 (A)			
Input Forward Voltage 输入正向电压	V _F	-	1.18		1.4	V	IF=10mA
Input Reverse Current 输入反向电流	I _R	-	-		10	μA	VR=6V
Output Peak OFF-state current 输出漏电流峰值	I _{DRM}	-	-		100	μA	VDRM=600V
Output ON-state voltage 输出导通电压降	V _{TM}	-	1.3	1.1	2.3	V	IT=Rated IT
Output Holding current 输出维持电流	I _H	-	-		25	mA	VD=6V
Output Rise rate of OFF-state 输出电压指数上升率	dv/dt	200	1000		-	V/μS	VDRM=600V/√2
Minimum Trigger Current 最小触发电流	I _{FT}	-	2		10	mA	VD=6V
Recovery Input voltage 恢复电压	V _{F OFF}	0.5	-		-	V	
I/O Insulation Resistance 绝缘电阻	R _{iso}	50G	-		-	Ω	DC=500V
Turn-On Time 导通时间 (Random-on 随机)	T _{ON}	-	8		100	μS	IF=20mA
Turn-On Time 导通时间 (zero-on 过零)	T _{ON}	-	-		10	mS	-
Turn-Off Time 关断时间	T _{OFF}	-	-		10	mS	-

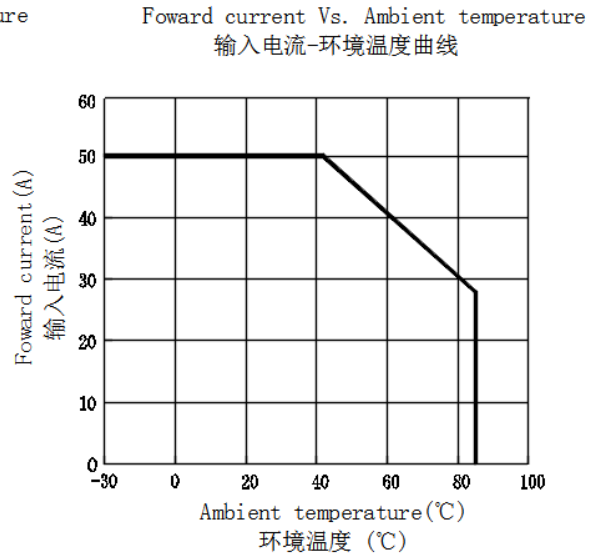
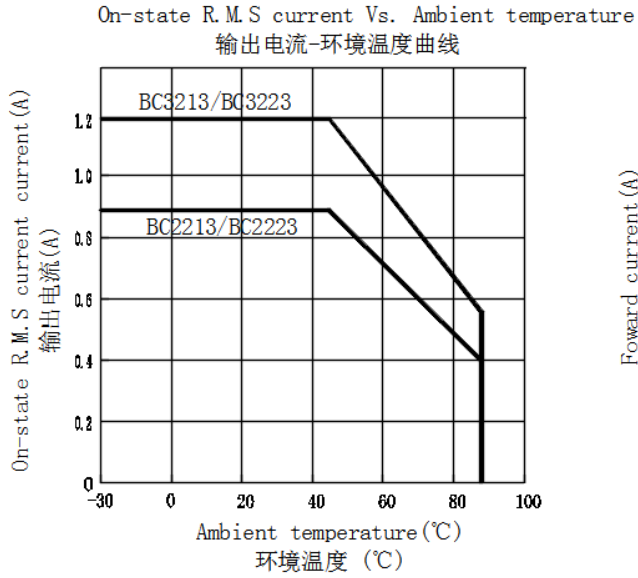
通讯地址: 深圳市宝安区外贸工业园 6 栋 3 楼

联系人: 蒋生

电话: 13554924172

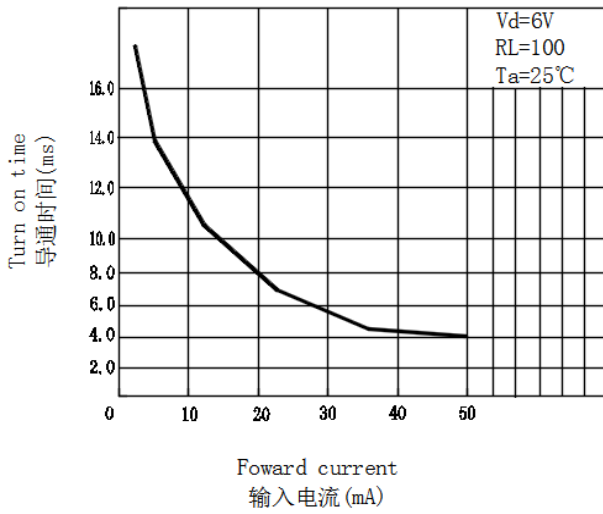
BC2213/BC2223、BC3213/BC3223 型光可控硅继电器

Reference Data 曲线图

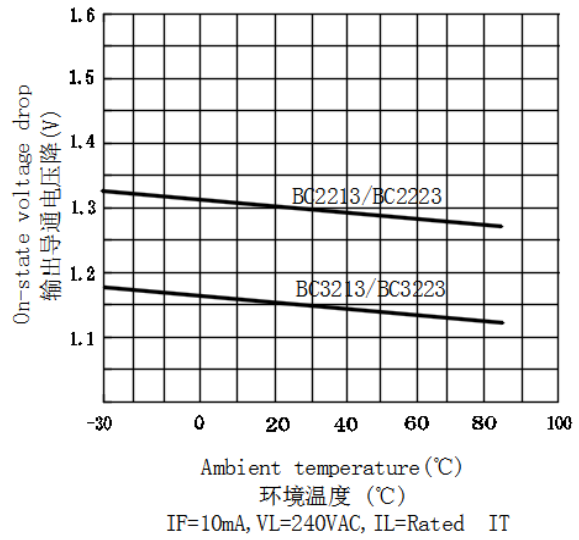


BC2213/BC2223、BC3213/BC3223 型光可控硅继电器

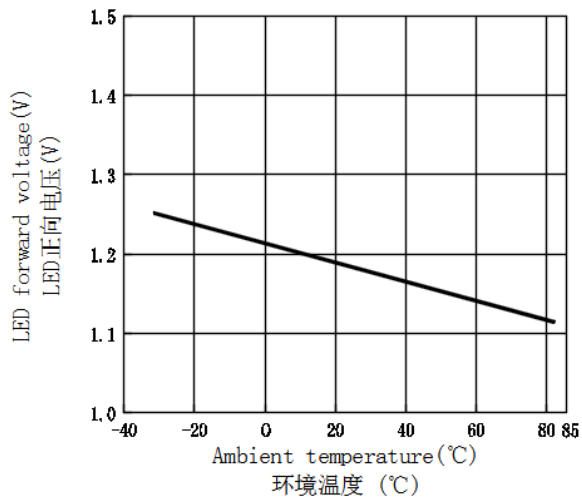
Turn on time Vs. Forward current
导通时间-输入电流曲线



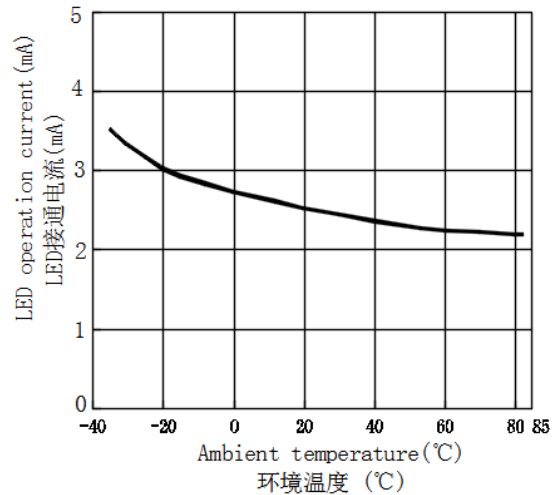
On-state voltage drop VS. Ambient Temperature
输出导通电压降-环境温度曲线



LED forward voltage Vs. Ambient temperature
LED正向电压-环境温度曲线



LED operation current Vs. Ambient temperature
LED接通电流-环境温度曲线



BC2213/BC2223、BC3213/BC3223 型光可控硅继电器

