

KRC231S (3RC231S)

硅 NPN 数字三极管/SILICON NPN DIGITAL TRANSISTOR

用途:用于开关, 音频静音, 界面电路和驱动电路。

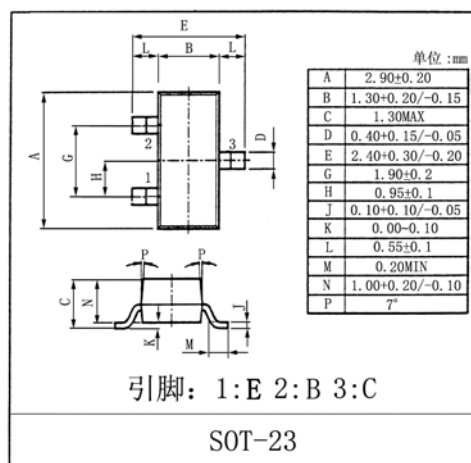
Purpose: Switching, audio muting, interface circuit and driver circuit applications.

特点: 内装偏置电阻, 简化线路设计, 减少元件和制造流程。

Features: With built-in resistors, simplify circuit design, reduce a quantity of parts and manufacturing process.

极限参数/Absolute maximum ratings(Ta=25°C)

参数符号 Symbol	数值 Rating	单位 Unit
V _{CBO}	30	V
V _{CEO}	15	V
V _{EBO}	5.0	V
I _C	600	mA
P _C	200	mW
T _j	150	°C
T _{stg}	-55~150	°C

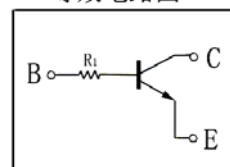


电性能参数/Electrical characteristics(Ta=25°C)

参数符号 Symbol	测试条件 Test condition	数值 Rating			单位 Unit
		最小值 Min	典型值 Typ	最大值 Max	
V _{CBO}	I _C =50 μA I _E =0	30			V
V _{CEO}	I _C =1.0mA I _B =0	15			V
V _{EBO}	I _E =50 μA I _C =0	5.0			V
I _{CBO}	V _{CB} =30V I _E =0			0.5	μA
h _{FE}	V _{CE} =5.0V I _C =50mA	200	350	800	
V _{CE(sat)}	I _C =50mA I _B =2.5mA		40	80	mV
f _T	V _{CE} =10V I _C =50mA f=100MHz		200		MHz
R ₁			2.2		kΩ
R _{on}	f=1kHz I _B =1.0mA V _{IN} =0.3V		0.6		Ω

印章/Marking: HNW

等效电路图



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