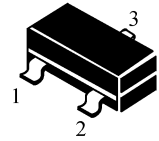


Excellent  $H_{FE}$  Linearity  $H_{FE}$   $H_{FE}(0.1mA)/h_{FE}(2mA)=0.95(Typ.)$   
 High  $H_{FE}$   $H_{FE}$   $H_{FE}=200\ 700$   
 Low Noise  $NF=1dB(Typ.),10dB(Max.)$ .  
 Complementary to S9015(GM9015) GM9015)

SOT-23

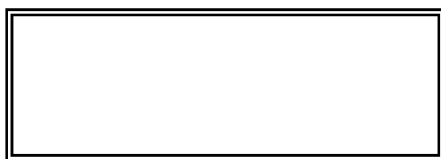
- 1. BASE
- 2. EMITTER
- 3. COLLECTOR

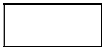


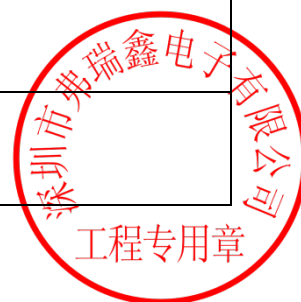
CHARACTERISTIC	Symbol	Rating	Unit
Collector-Base Voltage -	$V_{CBO}$	50	Vdc
Collector-Emitter Voltage -	$V_{CEO}$	45	Vdc
Emitter-Base Voltage -	$V_{EBO}$	5.0	Vdc
Collector Current-Continuous -	$I_C$	150	mAdc
Base Current	$I_B$	30	mAdc
Collector Power Dissipation	$P_C$	225	mW
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	



Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Cutoff Current	$I_{CBO}$	$V_{CB}=50V, I_E=0$	—	—	0.1	A
Emitter Cutoff Current	$I_{EBO}$	$V_{EB}=5V, I_C=0$	—	—	0.1	A
Collector-Base Breakdown Voltage -	$V_{(BR)CBO}$	$I_C=100 \text{ } \mu\text{A}$	50	—	—	V
Collector-Emitter Breakdown Voltage -	$V_{(BR)CEO}$	$I_C=1.0\text{mA}$	45	—	—	V
Emitter-Base Breakdown Voltage -	$V_{(BR)EBO}$	$I_E=100 \text{ } \mu\text{A}$	5	—	—	V
DC Current Gain	$h_{FE}$	$V_{CE}=6V, I_C=2\text{mA}$	200	—	700	—
Collector-Emitter Saturation Voltage -	$V_{CE(sat)}$	$I_C=100\text{mA}, I_B=5\text{mA}$	—	—	0.3	V
Base-Emitter Voltage -	$V_{BE}$	$V_{CE}=5.0V, I_C=10\text{mA}$	—	—	0.82	V
Transition Frequency	$f_T$	$V_{CE}=5.0V, I_C=10\text{mA}$	100	180	—	MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB}=10V, I_E=0,$ $f=1\text{MHz}$	—	4.0	7.0	pF





外形封装尺寸

