



《风光欣》技术资料

S9018

NPN EPITAXIAL SILICON TRANSISTOR

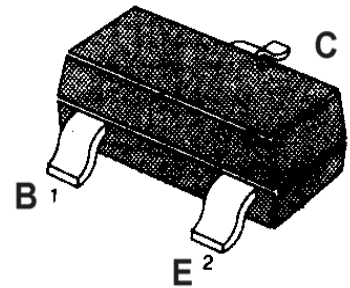
AM/FM AMPLIFIER, LOCAL OSCILLATOR OF FM/VHF TUNER

High Current Gain Bandwidth Product $f_T=1100\text{MHZ}$

ABSOLUTE MAXIMUM RATINGS(TA=25)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	30	V
Collector-Emitter Voltage	V_{CEO}	15	V
Emitter -Base Voltage	V_{EBO}	5	V
Collector Current	I_c	50	mA
Collector Dissipation	P_c	225	mW
Junction Temperature	T_J	150	
Storage Temperature	T_{STG}	-55 ~150	

SOT-23



ELECTRICAL CHARACTERISTICS(TA=25)

Characteristic	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector-Base Breakdown Voltage	BV_{CBO}	$I_c=100\text{mA}, I_E=0$	30			V
Collector- Emitter Breakdown Voltage	BV_{CEO}	$I_c=1\text{mA}, I_B=0$	15			V
Emitter -Base Breakdown Voltage	BV_{EBO}	$I_E=100\text{mA}, I_C=0$	5			V
Collector-Cut-off Current	I_{CBO}	$V_{CB}=12\text{V}, I_E=0$			50	nA
Emitter-Cut-off Current	h_{FE}	$V_{CE}=5\text{V}, I_c=1\text{mA}$	28	100	300	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_c=10\text{mA}, I_B=1\text{mA}$			0.5	V
Output Capacitance	C_{OB}	$f=1\text{MHZ}, V_{CB}=10\text{V}, I_E=0,$		1.3	1.7	pF
Current Gain-Bandwidth Product	f_T	$V_{CE}=5\text{V}, I_c=5\text{mA}$	700	1100		MHZ

Hfe CLASSIFICATION

Classification	F	G	H	I
HFE	54-80	72-108	97-146	132-198