

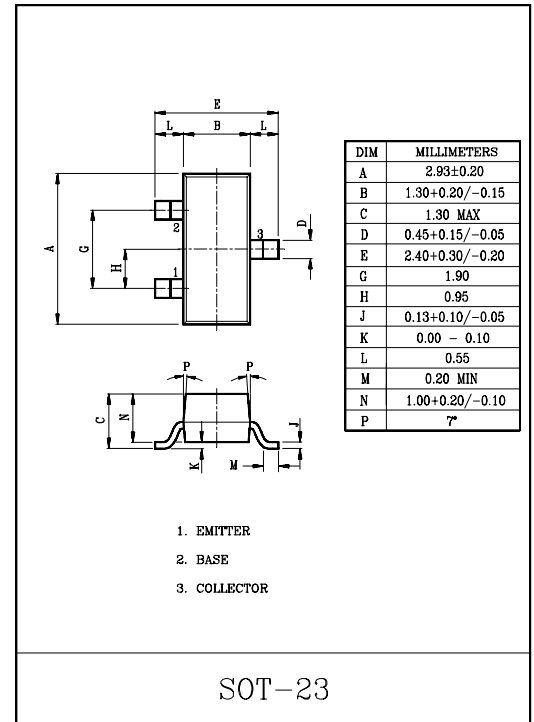
HIGH FREQUENCY APPLICATION.  
VHF BAND AMPLIFIER APPLICATION.

### FEATURES

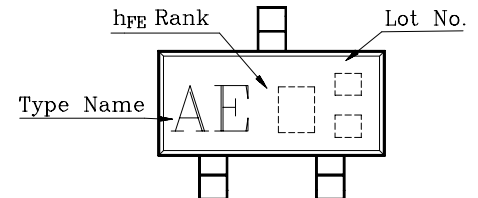
- High Current :  $I_{C(MAX)}=200\text{mA}$ .
- High Transition Frequency :  $f_T=500\text{MHz(Typ.)}$ .
- Low Voltage Operating.

### MAXIMUM RATINGS ( $T_a=25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	$V_{CBO}$	30	V
Collector-Emitter Voltage	$V_{CEO}$	15	V
Emitter-Base Voltage	$V_{EBO}$	4	V
Collector Current	$I_C$	200	mA
Collector Power Dissipation	$P_C$	150	mW
Junction Temperature	$T_j$	150	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-55~150	$^\circ\text{C}$



### Marking



### ELECTRICAL CHARACTERISTICS ( $T_a=25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	$I_{CBO}$	$V_{CB}=20\text{V}, I_C=0$	-	-	0.4	$\mu\text{A}$
Emitter Cut-off Current	$I_{EBO}$	$V_{EB}=2\text{V}, I_C=0$	-	-	1.0	$\mu\text{A}$
DC Current Gain	$h_{FE}$ (Note)	$V_{CE}=1\text{V}, I_C=10\text{mA}$	55	-	140	-
Transition Frequency	$f_T$	$V_{CE}=10\text{V}, I_C=10\text{mA}$	500	-	-	MHz
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=10\text{mA}, I_B=1\text{mA}$	-	-	0.25	V
Collector Output Capacitance	$C_{ob}$	$V_{CB}=10\text{V}, I_B=0, f=1\text{MHz}$	-	-	3.0	pF

Note)  $h_{FE}$  Classification O : 55~140