

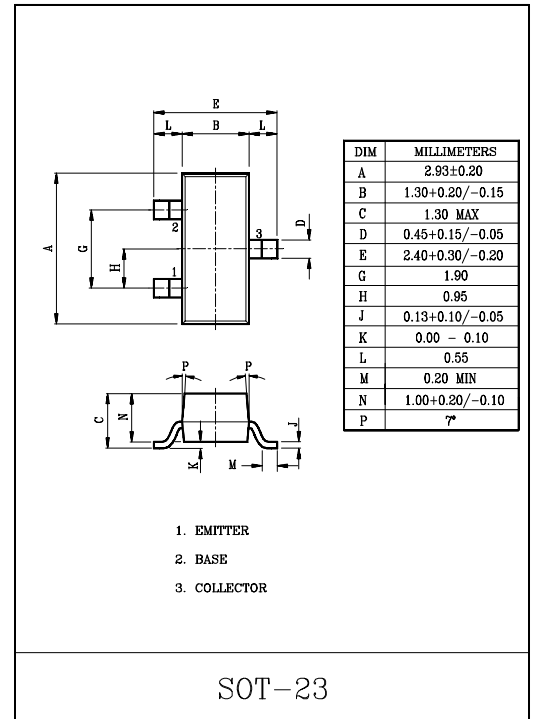
HIGH FREQUENCY APPLICATION.
VHF BAND AMPLIFIER APPLICATION.

FEATURES

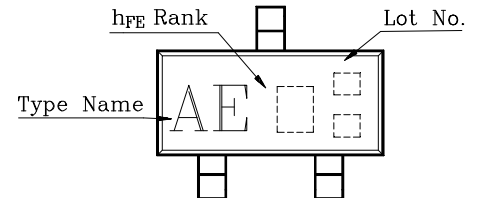
- High Current : $I_{C(MAX)}=200\text{mA}$.
- High Transition Frequency : $f_T=500\text{MHz(Typ.)}$.
- Low Voltage Operating.

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}	$-55\sim 150$	$^\circ\text{C}$



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	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=2\text{V}, I_C=0$	-	-	1.0	μA
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}	$V_{CB}=10\text{V}, I_E=0, f=1\text{MHz}$	-	-	3.0	pF

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