

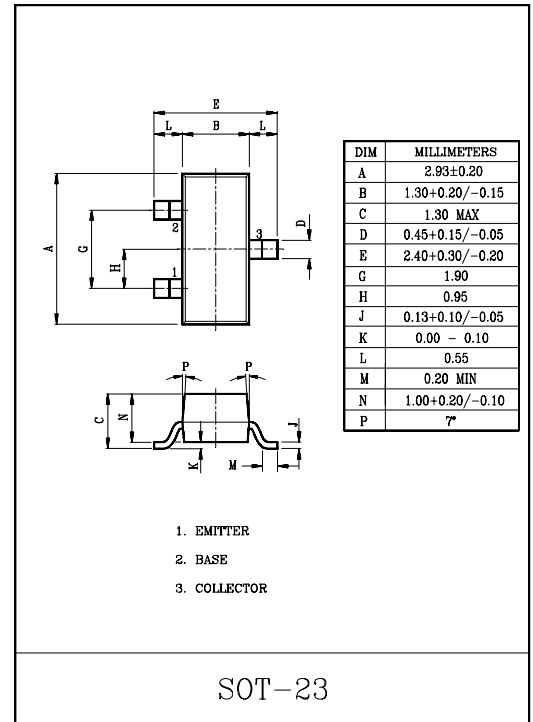
HIGH FREQUENCY APPLICATION.
VHF BAND AMPLIFIER APPLICATION.

FEATURES

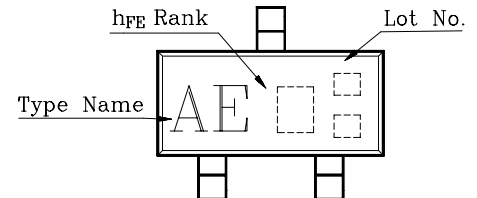
- High Current : $I_{C(MAX)}=200mA$.
- High Transition Frequency : $f_T=500MHz(Typ.)$.
- Low Voltage Operating.

MAXIMUM RATINGS (Ta=25°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	°C
Storage Temperature Range	T_{stg}	-55~150	°C



Marking



ELECTRICAL CHARACTERISTICS (Ta=25°C)

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

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