

SILICON NPN EPITAXIAL PLANAR TYPE

2SC2806

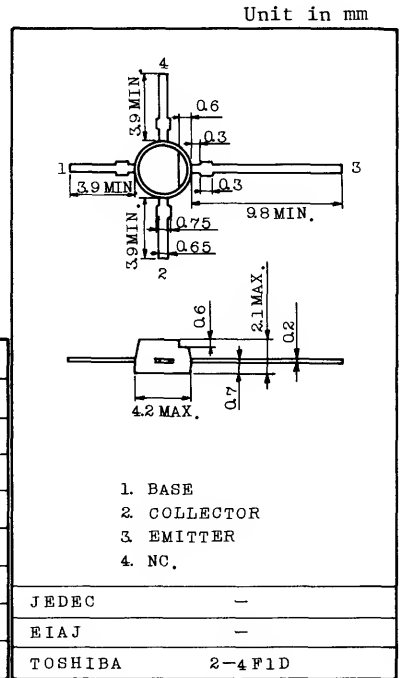
TV TUNER, VHF OSCILLATOR APPLICATIONS.
TV TUNER, VHF MIXER APPLICATIONS.

FEATURES:

- Excellent Linearity

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CB0}	30	V
Collector-Emitter Voltage	V _{CE0}	15	V
Emitter-Base Voltage	V _{EB0}	3	V
Base Current	I _B	25	mA
Collector Current	I _C	50	mA
Collector Power Dissipation	P _C	200	mW
Junction Temperature	T _j	125	°C
Storage Temperature Range	T _{stg}	-55~125	°C



Weight : 0.08g

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I _{CB0}	V _{CB} =15V, I _E =0	-	-	0.1	μA
Emitter Cut-off Current	I _{EB0}	V _{EB} =3V, I _C =0	-	-	1.0	μA
Collector-Emitter Breakdown Voltage	V(BR)CE0	I _C =1mA, I _B =0	15	-	-	V
DC Current Gain	h _{FE}	V _{CE} =3V, I _C =8mA	40	100	200	-
Transition Frequency	f _T	V _{CE} =10V, I _C =8mA	600	1100	-	MHz
Collector Output Capacitance	C _{ob}	V _{CB} =10V, I _E =0, f=1MHz	-	0.9	1.3	pF
Collector-Base Time Constant	C _c ·r _{bb} '	V _{CB} =10V, I _C =8mA, f=30MHz	-	7	20	ps

Marking

