Transistor

Silicon PNP Epitaxial Type (PCT Process)

For General Purpose Switching and Amplifier Applications

Features

- Complementary to 2SC3281
- Recommended for 100W High Fidelity Audio Frequency
 - Amplifier Output Stage

Absolute Maximum Ratings (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CBO}	-200	V
Collector-Emitter Voltage	V _{CEO}	-200	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current	I _C	-15	А
Base Current	I _B	-1.5	А
Collector Power Dissipation (Tc = 25°C)	P _C	150	W
Junction Temperature	Tj	150	°C
Storage Temperature Range	T _{stg}	-55 ~ 150	°C

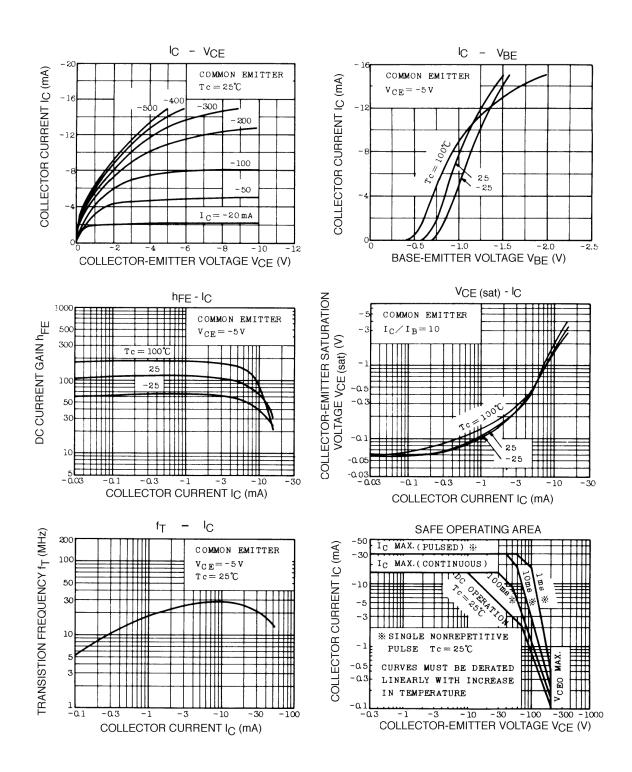
Weight: 9.75g

Electrical Characteristics (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I _{CBO}	$V_{CB} = -200V, I_{E} = 0$	-	-	-5.0	μA
Emitter Cut-off Current	I _{EBO}	$V_{EB} = -5V, I_{C} = 0$	-	-	-5.0	μA
Collector-Emitter Breakdown Voltage	V _(BR) CEO)	I _C = -50mA, I _B = 0	-200	-	-	V
DC Current Gain	h _{FE(1)} (Note)	$V_{CE} = -5V$, $I_C = -1mA$	55	-	160	
	h _{FE(2)}	$V_{CE} = -5V, I_{C} = -8A$	35	60	_	
Saturation Voltage Collector-Emitter	V _{CE(sat)}	I _C = -10A, I _B = -1A	-	-1.5	-3.0	V
Base-Emitter Voltage	V _{BE}	$V_{CE} = -5V, I_{C} = -8A$	-	-1.0	-1.5	٧
Transition Frequency	f _T	$V_{CE} = -5V, I_{C} = -1A$	-	25	-	MHz
Collector Output Capacitance	C _{ob}	$V_{CB} = -10V, I_E = 0,$ f = 1MHz	_	470	-	pF

Note: h_{FE} (1) Classification R : 0: 55 ~ 110, 0 : 80 ~ 160

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