

PRELIMINARY

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Some parametric are subject to change.

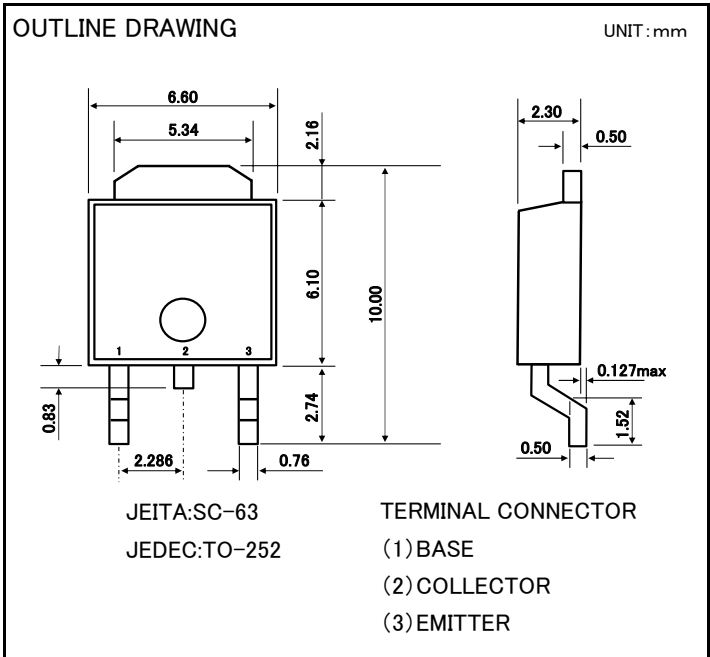
SILICON PNP EPITAXIAL TYPE

FEATURE

•Low voltage $V_{CE(sat)} = -0.4V(MAX), I_C = -500mA$

APPLICATION

Small type machine low frequency voltage amplify application,
Switching



MAXIMUM RATING (Ta=25°C)

SYMBOL	PARAMETER	TEST CONDITIONS	RATING	UNIT
V_{CBO}	Collector to Base voltage	-	-80	V
V_{CEO}	Collector to Emitter voltage	-	-80	V
V_{EBO}	Emitter to Base voltage	-	-5	V
I_C	Collector current	DC	-1	A
P_C	Collector dissipation	Ta=25°C	1	W
		Tc=25°C	10	W
T_j	Junction temperature	-	+150	°C
T_{stg}	Storage temperature	-	-55 ~ +150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

SYMBOL	PARAMETER	TEST CONDITIONS	LIMITS			UNIT
			MIN	TYP	MAX	
$V_{(BR)CBO}$	C to B break down voltage	$I_C = -50 \mu A$	-80	-	-	V
$V_{(BR)CEO}$	C to E break down voltage	$I_C = -1mA$	-80	-	-	V
$V_{(BR)EBO}$	E to B break down voltage	$I_E = -50 \mu A$	-5	-	-	V
I_{CBO}	Collector cut off current	$V_{CB} = -60V$	-	-	-1.0	μA
I_{EBO}	Emitter cut off current	$V_{EB} = -5V$	-	-	-1.0	μA
hFE	DC forward current gain	$V_{CE} = -2V, I_C = -200mA$	80	-	420	-
$V_{CE(sat)}$	C to E saturation voltage	$I_C = -500mA, I_B = -50mA$	-	-	-0.4	V



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